

RECORD

123145-24234

3

667
R
200

VIRGINIA

Shenandoah Nat. Park, Thornton Gap, head of Hazel Hollow, Big Meadows Camp Ground, Big Meadows Bog, David Spring, Big Meadows	23385-23474 ...	52-67
- Spitlers Knoll, Crescent Rock, Skyline Drive w. of Pass Mountain, Jeremy's Run Overlook, Upper Overall Run, Bear Wallow	23475-23507	66-73

MARYLAND

College Park roadside	23508	72-73
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VIRGINIA

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- Skyline Drive at Bush Mt., n. of Lewis Mt. Picnic Ground, Kites Deadening, Swift Run Gap, n.e. of Simmons Gap, Rocky Mountain Run, n. of Beagle Gap, Scott Mt. (Overlook)	23759a-23775	116-119

Collection and Field Note Book

No. 13

Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

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Handwritten notes and calculations on the right page:

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Bottom left: 36.4

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Santiago James

3

1

part
of center
wing
chase?

Feb. 20 - Canillones, Rio San Francisco, Valley of Rio Zamora, 13 km. e. of Loja, Prov. Santiago Zamora
wet wooded slope

73145
3

Larrea *Saurauia peruviana* Bacc.
edge of brushy ravine in clearing

46

Cinchona
gentle slope

47

48

Psychotria

49

Lasiacis

Feb. 20 - Quebrada Honda, first affluent of Rio San Francisco on south side above confluence with Rio Zamora, 20 km. e. of Loja, Prov. Santiago Zamora
along trail in wet wooded ravine

50

Viola

51

Portera granadensis

A type of *Cinchona* called "hoja de buga" has been harvested here. Judging from the sprouts that are left, it was a large leaved form of *C. officinalis*.

5500'

shrub 2.5 m. tall, fls. white

5700'

bare pole 3 m. tall, 8 cm. thick, with one leafy branch at top. "hoja de buga" (bark sample) shrub, flowers in panicle, pendent, pearl gray, buds release a trickle of water when pressed gently.

small tree, flowers yellowish, fruit red. canes 1 cm. thick, hollow, tangled in shrubs and small trees.

6000'

erect except at base, fls. pale lavender with purple center. prostrate, mat forming, fruits juicy, translucent red, shiny.

37

✓ Feb. 20 - Consuelo w. side
of valley of Rio Jamora just
below ~~the~~ confluence ~~with~~
of Rio San Francisco, 22 km.
e. of Loja, Prov. Santiago Jamora
steep wet wooded slope

23152

Cinchona
edge of clearing

L 1 53

Cinchona ~~big tree~~
thick woods

L 2 54

~~edge of clearing~~
thick woods

L 6 55

Cinchona
thick woods

L 3 56

brush at edge of clearing

L 7 57

Cinchona
~~dense forest~~ thick woods

L 1 58

~~apoth~~
thick woods

L 4 59

Cinchona
brushy clearing

6400-6600'

tree 12 m. tall, 20 cm. thick.
leaves thin, dull above,
turning scarlet with age.
buds purple (one almost
open has tube red)

"hoja de capuli" (bark sample)

seedling 1 m. tall, leaves
thin, purplish beneath,
stipules reflexed.

vine climbing in trees,
fruits and fls. each between
2 bracts.

single living branch
on stub 5 m. tall, 20 cm.
thick. "hoja de capuli" (bark sample

from stub). lvs. dull, green.

herb tangled in brush, bracts
and fls. white.

sprout 6 m. tall, 4 cm. thick,
from large dead stump.

old leaves scarlet, dull
above. "hoja de capuli" (bark

sample from sprout).

slender herb 1 m. tall,
fls. scarlet, corolla enlarged

and gibbous below, with
a small opening.

seedlings 1 m. tall, leaves dull above,
thin, scarlet in age, not flat.

Feb. 20 - Rio San Francisco,
bet. bridge at main fork
and Canillones, 15-18 km. s. of
Loja, Prov. Santiago Zamora
banks of trail on wet wooded slope

23,160

Muhlenbeckia

L 61

Coccyzapselum

L 62

Drymaria

L 63

rare

L 64

Lisium

abundant

L 65

Fuchsia

abundant

L 66

Lili

rare, no plant seen

L 67

Lili

occasional

L 68

Phorax

occasional

L 69

Lili

L 70

Merthera granadensis

(collected from horsebacks)

5300-5900

vine, fls. greenish, fruit white.
prostrate, flowers purple, fruit blue.
stems ascending, fls. white
elongate scrambling
stems, some bare except
for flower clusters, corolla
and staminal column
bright yellow, anthers
grayish.

herb, occurring in large
tangles, sap milky but
not abundant, leaves
rugose above, fls. yellow.
suffrutescent herb 1-2
m. tall, tangled in bushes,
flowers vermillion, pendul,
fruits red when unripe,
black when ripe, shiny.

herb, flowers bright pink.

herb, corolla scarlet-red,
lobes paler, staminal
column white, anthers blue-gray,
rounded, mound like
bush 1 m. tall.

prostrate, aromatic, fls. lavender,
prostrate, mat-forming,
fls. greenish, fruits juicy,
bright red, glossy, translucent.

Feb. 20 - Ridge between the
two main forks of Rio San
Francisco above bridge,
Cordillera de Jama, 12-15 km
e. of Loja, Prov. Santiago Jama
wet wooded ridge

72171
"

occasional

72 *Hydnoranthus*
occasional in bushy places

73 *Drymaria*
common in trail

74 *Hedyotis*
seems sterile at a little lower
alt., common up to summit of trail

75 *Palicourea*

76 *Cinchona pubescens*
along trail

77 *Adiantum*

Feb. 20 - around headwaters
of Rio San Francisco, Cordillera
Jama (El Condor), 11 km. e. of
Loja, Prov. Santiago Jama
low wet bushy forest on steep slope

78 *Utricularia*
vertical bank above trail

7201' elongate shrub, leaves glaucous
above, collar deep chrome
yellow, almost orange,
staminal column yellow,
anthers bright red-purple

6500' shrub 2 m. tall, flowers
oblique,
summit with lighter and
darker stripes in the throat
fls. white

7200' mat forming, branched,
erect, leaves 4-ranked,
flowers pale purple or
purplish white.

7200' shrub 3 m. tall, thyrses yellow, fruit green
sapling 1 m. tall, branched,
leaves dull above (peaked
tree much larger seen
nearby).

8000' (as in 72171)

7000'

built like a lizard egg, but pale
translucent green, calyx brownish
purple, lower purple, but white.

- 23/79 *Sclandra*
earth bank
- 9 80 *Cinchona microphylla*
bushy crest

- 2 81 *Podocarpus*
occasional
- 7 82 *Chusquea*
common
- 9 83 *Podocarpus*
rare

Feb. 20 - Ridge between
head of Quebrada Jipura and
headwaters of Rio Jamora,
Cordillera Jamora (el Condor),
10 km. e. of Loja, Prov. Loja
windswept crest 9000'

- 2 84 *Hedyotis*
- 0 85 *Hedyotis*

Feb. 21 - Rio Paquischapa
~~at~~ Jaraguas, just
above, badly eroded slopes
7900'

- 86 *Dodonaea viscosa* L.
- 87 *Drymonia*
- 88, 89, 90 *Hedyotis*
- 91, 92, 93

prostrate vinelike shrub,
fls. purplish bronze.
tree 4 m. tall, erect, leaves
glossy, venose beneath,
veins impressed above,
petioles and veins red, old
leaves reddish.
sterile bushes 3 m. tall,
leaves not distichous.
tangled mass to 2 m. deep,
the only clump seen in
fruit in the region.
tree 10 m. tall, leaves
distichous, sterile
but bearing cone-like
galls.

flowers white, longistylous.
flowers white, brevistylous.
anthers purple.

shrub, m. tall.
fls. white.
fls. white
(series to show variation)
(not differences in leaf size
or density of inf.)

19 miles NW
from P.

Feb. 21 - south of Oña, slope
above Tablon de Oña, Prov. Azuay
dry brushy overgrazed slope

3900

23194

Croton

common

95

Dodonaea viscosa L.

common

96

Cardiomena ramosissima

97

Poa

98

Pellaea ternstroemia

99

Poa

23200

Laguna

01

Hypericum

02

Evolvulus

03

Drymaria

04

Lippia

05

Salvia

06

Salvia

common

07

Hedyotis

very abundant, apparently
not eaten by cattle

08

Hedyotis

(same)

P. 20.

low depressed bushy

shrub

prostrate

tufts, infl. purple

fls. purplish white with
deep purple calyx

fls. white, petals bifid.

fl. yellow

prostrate, fls. bright blue.

deep tap root, fls. white

fls. purple, base yellow distally.

fls. blue

erect clumps, fls. cream-
yellow.

mass collection to show
proportions of longistylous
and brevistylous ~~flowers~~
plants each twig representing
a clump. - 52 brevistylous -
cf #23203. & proportions
varied from one place to
another in colony. buds
varied from pale pink to red.
same, cf #23207. - 51 longistylous.

with
m. 3. 1

Feb. 21 - Tablon de Oña, s. of
Oña, Prov. Azuay
dry overgrazed gentle slope at
foot of hill. 8750'

23209 Calliandra

10 Lantana

11 Verbena

12

13 Hedysotis

abundant, apparently not
eaten by cattle

14 Hedysotis
same

15

Feb. 21 - Tablon de Oña, s. of
Oña, Prov. Azuay 7750'
open field, gentle slope,
extremely overgrazed

15 Mimosa

16 Hedysotis
abundant

17 Hedysotis
abundant

fls. bright red.

prostrate, fls. golden yellow.

prostrate, fls. rose-pink.

fls. rose-pink

mass collection, each twig ^{taken}
from different clump, to show
proportion of longistylous
and brevistylous plants.

50 brevistylous - fls. white.

cf. #23214.

same as #23213 - 53 longistylous

flowers pink.

mass collection to compare
proportions of longistylous
and brevistylous ~~fls.~~

plants, each twig from a
different clump, taken at
random. plants prostrate,
buds pink, fls. white.

63 brevistylous. cf. #23217

same as #23216 - 48 longistylous

with
pink

Feb. 21 - Grade above Cuenca,
Km. 36, along Rio Cuenca, lat.
3° 8' S., S. of Cuenca, Prov. Azuay
brushy slope 10000'

23, 213 Valeriana
dominant in brush

17 Asplenium

20 Polypodium

21 Galium lythocarpum

22 Galium

23

24 Cupatorium

25 Drymaria

rare in turf

Feb. 25 - slopes of Volcan
Pichincha above Quito, Prov.
Pichincha 10000' - 11700'

26 Cuscuta

in trail on black earth

27 Corymba pilosa

in small opening in tall
bush, moist soil, abundant
locally.

28 Galium

in moist bush, small opening

29 Corymba pilosa

in shade ~~in~~ on ground
in moist tall bush,
abundant locally

shrub 4 m. tall, with
many straight erect
branches with numerous
leafy branchlets, fls.
whitish, clusters with
a smoky purplish cast,
odor of plant unpleasant.
erect

prostrate, fruit orange, fleshy
prostrate, fruit green.

prostrate

prostrate, fls. white.
fls. white.

prostrate

extensively creeping,
prostrate, with tips
of branches turned up,
fls. greenish, monocious,
fruit greenish.

tangled in bush, flowers
reddish.

extensively creeping,
ends of branches turned up,
fls. greenish, monocious

- 23230 *Manettia*
moist brush
- 31 *Galium*
earth bank above trail
- 32 *Nertera granadensis?*
earth bank above trail
- 33 *Eryngium humile*
open grassy hilltop
- 34 *Uncaria*
open grassy hilltop
- 35
vertical earth bank
- 36 *Hedyotis*
very abundant on grassy slope
- 37
brush along trail-side
- 38 *Hedyotis repens*
trail side on grassy slope
- 39 *Drymaria ovata*
vertical bank above trail

March 7 - Malecón Park,
Guayaquil, Guayas

0 m.

- 40
cultivated in park

- 11700' vine climbing through
bushes, fls. white.
- 11600' fruits pale green.
- 11600' prostrate, leaves thick,
coriaceous, flowers greenish,
fruit dark red, fleshy.
- 11700' bracts greenish-white
above, fls. dull bluish.
- 11700' fruits turning purplish
brown.
- 10000' corolla white, calyx deep
purple.
- 10300' dwarf shrub, fls. white
"suerte", 3-lobed and 5-lobed
fls. considered good luck.
- 11000' herbaceous vine climbing
in bush, much-branched,
fls. green, lobes reflexed.
fruit green, fleshy.
- 11500' forming a cushion, fls.
greenish, fruit green.
- 10100' diffuse, pubescent
whitish.

small tree 5 m. tall, 10 cm.
thick, leaves all pointing
downwards, back to back,
pale beneath, petals white,
slightly crisped, anthers
yellow, fruit immature
(stamens separate)

✓ March 18 - Sleepy Hollow
Road where it crosses
Tripp's Run, 1 1/2 mi. s.
of Falls Church, Fairfax Co.

- 23241 *Ulmus americana*
wooded bottom land
along stream.

✓ March 19 - north side of
Tripp's Run, 1 mi. s. of Falls
Church, Fairfax Co.

- 42 *Populus*
open woods above the
level of bottom lands, gentle slope

✓ March 19 - Sleepy Hollow Road
south of Tripp's Run, 1 1/2 mi.
s. of Falls Church, Fairfax Co.

- 47 *Salix humilis* Marsh.
small colony at edge of woods.

- 49 *Salix humilis* Marsh.
small colony at edge of woods

March 24 - Sleepy Hollow, along
Tripp's Run, 1 mi. s. of Falls Church,
Fairfax Co.

- 45 *Lindera benzoin*
swampy woods

same 1.5 mi. s. of Falls Church

- 46 *Ulmus americana* L.
wooded bottom land along stream

tree 30 cm. thick, 7 m. tall,
flat topped with drooping
branches.

small colony of large
trees 50 cm. thick, 20 m. tall,
(could not be climbed so
leaves and catkins were
picked up).

bushes 1 m. tall, ♂

bushes 1.5 m. tall, ♀

bush 2 m. tall, fls. lemon
yellow, stems aromatic when broken.

Tree 30 cm. thick, 7 m. tall
(same tree as #33241) fruit green.

March 29 - Falls Church,
Fairfax Co.

- 23247 *Spiraea thunbergii* Sieb. ?
cultivated

March 30 - Sleeping Hollow, along
Tripp's Run, 1.5 mi. s. of Falls
Church, Fairfax Co.

- 48 *Stellaria pubera*
sterile pebbly bank, edge
of woods
49 *Prunus americana*
on slope just above stream

April 1 - same loc. 1 - 1.5 mi. s.

- 50 *Vaccinium atrococcum* Heller
swampy woods, occasional
51 *Symphlocarbus foetidus*
abundant, swampy woods
52 *Vaccinium atrococcum* Heller
swampy woods, occasional
53 *Vaccinium atrococcum* Heller
swampy woods, occasional
54 *Dentaria*
wooded bottom-land
near stream
55 *Draba (Erophila) verna*
moist pasture
56 *Thalictrum*
rocky slope in pasture
57 *Salix*
marsh with shrubs

shrub with long
wand-like branches,
petals white.

fls. white

shrub 4 m. tall,
fls. white.

1 m. tall, fls. greenish-pinkish-etc.

~~1.5 m. tall, fls. pinkish-white~~
spathe mottled bronze, plant
with foul odor when broken.
bush 1.5 m. tall, fls.
pinkish white.
bush 2 m. tall, fls. greenish
white, slight tinge of pink.
fls. pinkish white,
rhizome ~~scattered~~ moniliform
disarticulating
fls. white

tree 8 m. tall

bush 7 m. tall

April 8 - same loc.

- 23258 *Hedyotis caerulea* (L.) Hook.
open weedy acid slope

- 59 *Eleocharis*
low wet place in pasture
- 60 *Pinus pungens* Lamb.
~~open~~ old field with
scattered young pines
and a few deciduous trees
- 61 *Pinus virginiana* Mill.
same
- 62 *Pinus echinata* Mill.
same
- 63 *Ranunculus*
low wooded bottom-land
- 64 *Luzula campestris* var. *bulbosa*
cut. over slope, scattered trees
- 65 *Viola* ~~acutifolia~~
common under trees in
abandoned orchard
- 66 *Antennaria plantaginifolia*
earth bank along road
through woods.
- 67 *Ulmus americana* L.
wooded bottom-land along
stream

flowers lavender with
yellow throat
mass coll. to illustrate
ratio of brevistylous to
longistylous flowers.
dense carpet

tree 6 m. tall. (=Ewan 17118)

tree 5 m. tall. (=Ewan 17119)

tree 8 m. tall, twigs with
tufted appearance. (=Ewan 17120)
stems succulent, erect,
petals yellow. (=Ewan 17126)
caespitose

caespitose, rhizomes thick,
fleshy, flowers deep
violet, center white,
lower petal ~~stip~~ with
white part with
dark violet reticulation.
[(=Ewan 17127)]

tree 30 cm. thick, 8 m. tall,
flat topped. fruit mature
(same tree as # 23241, 23246)

April 15 - same loc.
second-growth wooded slope,
mixed woods, rather open,
undergrowth sparse because
of former fires.

23768 *Vaccinium vacillans* Torrey
(contaminated with *V. atrococcum*)

69 *Gaylussacia baccata*
abundant

70 *Rhododendron nudiflorum*
common

71 *Vaccinium vacillans* Torrey
(contaminated with *V. atrococcum*)

~~72 *Rhododendron nudiflorum*~~
72 *Rhododendron nudiflorum*
common

73 *Vaccinium vacillans* Torrey
(perhaps slightly contaminated
with *V. atrococcum*, slight pubescence
on petioles)

74 *Rhododendron nudiflorum*
common

75 *Vaccinium stamineum*
rare, one plant seen

76 *Vaccinium vacillans* x *atrococcum*
dense woods of *Pinus virginiana*,
not burned over.

Vaccinium atrococcum found in
bottom-land several hundred feet
away. Differences in *Rhododendron*
colors evident even in bud.

plants 1-2 dm. tall, leaves
green, flowers greenish-white
tinged with pink.

plants 3-5 dm. tall, or
more, fls. orange red,
greenish tinged.

odor unpleasant - this plant ^{with} almost white
flowers, pinkish stamens, rose style
plants 2-3 dm. tall, leaves
reddish green, flowers
greenish pink.

corolla tube pink, lobes
very pale, stamens pink,
style rose. odor unpleasant
plant 3 dm. tall, leaves
green, flowers greenish
white, turning reddish
with age.

corolla tube deep rose,
lobes pink, stamens and
style rose, odor unpleasant.
(this color most common)
flowers white.

bush 6 dm. tall, flowers
greenish-white, tinged
with pink

April 10, Fort Buffalo, 1 mi.
s.e. of Falls Church, Fairfax Co.
edge of woods along road

23277 *Pyrus arbutifolia*

78 *Smilax glauca*

79 *Robinia pseudoacacia*

80 *Paulownia tomentosa* (Thunb.) Baill.

April 16 - Sleepy Hollow,
1 mi. s. of Falls Church, Fairfax Co.
old field with scattered
young pines and a few
young deciduous trees.

81 *Hedysotis caerulea* (L.) ~~Gray~~ Hook
common

82 *Fuzula campestris* var. *bulbifera* Wall.
clony under pines

April 19 - Ashburn, 6 mi. s.e. of
Leesburg, Loudoun Co.
abandoned clearing in pine
woods on red sterile soil
formed from weathered red
triassic shale.

83 *Cardamine arabis*

84 *Carya*

shrub 2 m. tall, fruit immature
vine climbing in bushes,
leaves glaucous beneath,
tree 5 m. tall, flowers
fragrant, petals white,
calyx reddish.

tree 6 m. tall, panicles
erect, flowers lavender,
paler within, petals yellowish.

mass coll. from which
description of fresh material
was written.

tufts, rhizomes bearing
white tubers.

glaucous, flowers white,
tree 3 m. tall, 10 cm. thick, bark
not especially rough.

- 27285 *Laxifraga*
 86 *Ranunculus*
 87 *Ranunculus*
 88 *Arabis*
 89 *Veronica*
 ~~locally~~ abundant
 90 *Viola*
 rare
 91 *Viola kitaibeliana*
 locally abundant
 92 *Krigia virginica*
 locally abundant
 93 *Vaccinium stamineum*
 common
 94 *Antennaria plantaginifolia*
 common
 95 *Potentilla simplex*
 common
 96 *Hedysotis coccinea* (L.) ~~W.~~ Hook.
 common
 same pine woods with little undergrowth
 97 *Vaccinium*
 common

- flowers white
 fls. yellow, leaves dull
 (growing with #27287)
 - fls. yellow, leaves glossy
 (growing with #27286)
 - flowers white
 erect, ~~corolla~~ ~~flowers~~ blue-violet,
 - falling very readily.
 flowers violet
 flowers lavender, paler
 toward center, and with yellow
 eye, lower petals with
 - dark purple lines.
 flowers orange, closed
 - at 4:00 p.m.
 bushes from 3 to 10 dm. tall,
 this one about 8 dm., flowers
 (white)
 - stems decumbent, scapes erect
 flowers bright yellow,
 petals varying from
 emarginate to round at
 apex. This is not a good
 - distinguishing character.
 small tufts and solitary
 plants, flowers lavender
 with yellow eye.
 - undergrowth, on soil derived from red triassic shale
 3-5 dm. tall, fls. pale green to
 reddish, clones appear quite
 uniform except that some
 apparently similar but
 sterile are almost glabrous

23298 *Vaccinium*
several clones seen

99 *Vaccinium*
several clones seen

23300 same loc. ^{weedy} roadside
Acer negundo
seedlings common
01
occasional in tall grass
and weeds.

Apr. 20 - Slacksy Hollow
old field

X 02 *Lonicera bella* Zabel. f. *candida* Zabel
old field with scattered brush
and small trees; several
plants of varying ages
seen in vicinity.

Apr. 21 same
old field with scattered
pine,

03 *Pinus echinata*

bush 5-6 dm. tall, flowers
~~pink~~ greenish white,
slightly pinkish
(with #23297 but less
common; leaves slightly
thicker, plant coarser)
bush 5 dm. tall, flowers
greenish-white, slightly
pinkish. (like 23298
but from a different
clump).

tree 6 m. tall fruit
clusters pendent.
flowers white

(*Lonicera* X
marrowii)

shrub 1 m. tall, flowers
white, turning yellowish
with age, only faintly
fragrant, corolla lobes
somewhat revolute,
four of them directed
above the horizontal, one
downward

tree 8 m. tall. same
tree as #23262

Apr. 21 same loc.

wooded bottom land

23304 *Arisaema*

(Preliminary observations on this mass coll. show that ♀ and ♂ plants are much less numerous than ♂; that many factors assorted at random are responsible for color pattern; that glaucous, dull, and clear green under side of blade is not correlated with anything else. No conclusions were reached as to correlation of width of leaflet base, width of flange and shape of flaps.

April 25 same loc.

05X *Lonicera bella* f. *candida* Zabel. (tatarica x *monowii*) roadside06 *Veronica*

weed in lawn

07 *Prunus serotina*

common in second-growth woods

mass collection of 1 infl. and 1 leaf from 103 many plants. These examined fresh and note made for each on color of peduncle, color pattern of spathe inside and out, color pattern of spadix appendage, color of rachis of spadix, sex of plant, color of anthers and stigmas, color of petiole and main veins of leaves, and whether or not leaf-blade are glaucous beneath. (rust on some plants is, acc. Stevenson, *Uromyces caladii*)

bush 2 m. tall, flowers cream white, turning yellow with age.
 Corolla ~~flowers~~ white, falling easily
 small tree 5 m. tall, petals white, concave.
 (much larger trees in vicinity).

Apr. 30 - Hemlock Ridge, 4 mi.
w. of New Milford, 9 mi.
n. of Danbury, on
Candlewood Lake, Litchfield Co. Conn.
wooded slope and open meadow 100 m.

23308 *Anemone quinquefolia*
moss cushion in low
brush in meadow, with #23309

09 *Anemone quinquefolia*
common in low brush
in meadow

{10 *Hedysotis caerulea* (L.) ^{Hook.} f. 9 ♂

{11 *Hedysotis caerulea* (L.) ^{Hook.} f. 9 ♀
common in meadow,
forming conspicuous patches

12 *Hedysotis caerulea* (L.) ^{Hook.} f. 9
wet opening on thinly
wooded slope, scarce

13 *Ranunculus abortivus*
opening on thinly wooded slope

14 *Trillium*
opening in thinly wooded
slope, common (with #23315)

15 *Trillium*
(with #23314)

16 *Arisaema*
common on thinly wooded slope
and stigmas, color of flowers,
color of petiole and main
veins of leaf, and whether
leaf-blade is ^{light} green, dull
or glaucous beneath.

flowers white, leaves
purplish. rhizomes
white, growing tip breaking off easily.
flowers white, leaves
green, rhizomes white,
growing tip breaking off
easily.

color of corolla limb
varying from bright
lavender to almost white,
with lobed yellow eye.

fls. lavender with
yellow eye

petals yellow, small

petals wine-purple.

petals wine-purple
mass collection to show
variation, 1 leaf and 1 infl.
from 50 individuals. These
examined fresh and notes
made on color of peduncle,
color pattern of spathe inside
and out, color pattern of
sterile appendage of spadix,
rachis, color of anthers

May 6 - Where Annandale Road
crosses Holmes Run, $2\frac{1}{2}$ mi.
s.w. of Falls Church, Fairfax Co.
old clearing near stream

23317

Ranunculus
small colony

18

Carex

common in sparse grass

19

Arisaema

very common, but only two
plants seen which had
not been frostbitten

May 6 - west of Holmes Run
on small tributary just
south of Lee Boulevard, $2\frac{1}{4}$
mi. s.w. of west of Falls
Church, Fairfax Co.

sparsely wooded bottom
land and open pine woods.

20

Cypripedium acaule Ait.
common under pines

21

Vaccinium stamineum L.
occasional under pines

22

Mitchella repens L.
common under pines

base of plant not enlarged,
flowers bright yellow,
petals glossy above
roots slender
tufts, culms spreading

larger plant with stems,
petioles, spathe and
spadix entirely green,
flowers ♀, stigmas white;
smaller also green except
inside of flap of spathe
slightly bronzed, ~~and~~
flowers ♂, anthers deep
purple. leaves of both
green beneath, larger
one glossy.

leaves light green, petals
and sepals deep bronze,
lip varied magenta-pink.
bush 7 dm. tall, flowers
white.
prostrate, berries scarlet.

- 23323 *Ranunculus abortivus* L.
common in bottom land.
- 24 *Krigia virginica*
rare in openings in bottom land
- 25 *Ranunculus*
common in wet bottomland
and in water
- 26 *Hedysotis caerulea* (L.) Hook.
common in openings

May 7, 1945 - Sleepy Hollow,
1 mi. S. of Falls Church

- 27 *Luzula campestris* var. *bulbosa* (L.)
under pines in old field
(same colony as #23282)
- 28 *Hedysotis caerulea* (L.) ~~Hook.~~
under pines in old field
(same colony as #23281)
- 29 *Vicia*
dense colonies along roadside

Same May 24

- 30 *Lonicera bella* Zabel f. *candida* Zabel
~~in~~ weedy old field with
scattered young trees.

Same May 31

- 31 *Gratiola*
f. *subsoil* fill where sewer
has been laid through
wooded bottom land.

petals yellow, short.

flowers orange

petals yellow, short.

corolla lobes lavender
above, with yellow 9-lobed
eye, each lobe bi-lobed.

rhizomes bearing small
white tubers.

fls. lavender with
yellow eye.

weakly erect, flowers
magenta

bush 1 m. tall, fruits
scarlet, translucent.
(same bush as #23302)

plant succulent,
fragrant, corolla tube
curved, prismatic, greenish
yellow, limb white.

June 4, Sleepy Hollow, 1 mi.
S. of Falls Church.

- 23332 *Allium vineale*
common in disturbed ground
in wet wooded bottom-land.
- 33 *Ligustrum*
single plant in wet
wooded bottom land
- 34 *Carex*
slope in pasture
- 35 *Veronica*
common on slope in pasture
- 36 *Specularia perfoliata*
occasional in pasture,
smaller plants in rocky
place.
- 37 *Morus*
one tree on slope in pasture
- 38 *Asplenium*
rocky place in pasture
- 39
common on slope in pasture
- 40 *Malva*
common in trampled
place in pasture
- 41 *Luzula*
common in trampled
place in pasture
- 42 *Panicum*
old field, somewhat brushy
- 43 *Danthonia spicata*
old field, abundant
- 44 *Ulmus americana*
bottom-land and second-growth
thickets, occasional

flowers clear lavender.

shrub 1 m. tall,
flowers white, somewhat
unpleasantly fragrant.
spreading tufts

fls. bluish, ephemeral
flowers deep purple.

tree 8 m. tall - (same tree
as #23256)
fertile fronds erect.

flowers white, 2 mm.
across.
flowers lavender,
glabrous within.

flowers yellow.

tufts
Mass collection to show
variation in pubescence & leaf
outline. largest leaf of distal
selected from twig on lower branch.

- same loc. June 6
 23345 *Ulmus*
 old field growing up to
 young trees and brush

- June 6 Deeply hollow, 1 1/2 mi.
 s. of Falls Church, Fairfax Co.
 46 *Hedyotis purpurea* (L.) T. & G.
 along road in second-growth
 woods.

- 47 *Ceanothus*
 along road in second-growth
 woods.
 48 *Ulmus americana*
 wooded bottom land along
 stream

- June 10 - same loc. 1 mi. s. F.C.
 49 *Penstemon*
 old field, rather wet,
 burned several years
 ago - large colony.

- June 12 - same loc.
 edges of thickets in old
 field, top of low ~~bank~~ rise.
 50 *Trifolium*
 abundant
 51 *Trifolium*
 common

mass coll. of largest
 leaf of terminal 6 on twigs
 from about 1-6 m. tall
 saplings.

mass collection, one shoot
 from each clump in
 an area of 1/4 acre.
 flowers purplish pink,
 plants caespitose.
 clumps up to 0.8 m. tall.
 flowers white.

tree 8 m. tall (same
 tree as #23241, 23246, 23267)

erect, flowers dull
 purplish on upper
 side of horizontal corolla,
 pale, glossy and
 sulcate beneath.

flowers lemon yellow
 flowers chrome yellow.

- 23352 *Hedyotis purpurea* (L.) T. & G.
occasional
- 23353 *Hedyotis purpurea* (L.) T. & G.
occasional

June 15 - Plant Industry
Station, Beltsville, Md.

- 54 *Potentilla recta*
weedy orchard and roadside
roadside, scattered
- 55 *Oxalis*
orchard
- 56 *Lilene cucubalus*
orchard, small colony
- 57 *Lepidium*
orchard
- 58 *Lilene*
orchard, rare
- 59 *Rumex*
orchard
- 60 *Juncus*
abundant in orchard
- 61 *Polygonum*
orchard

June 17 - Sleepy Hollow, 1 mi.
S. of Falls Church, Fairfax Co. Va.

- 62 *Asclepias*
one plant seen on wooded knoll
at edge of woods
- 63 *Lysimachia*
disturbed ground, opening
in woods

These
two colls.
basis of
description
of *Lysimachia*
plant.

brevistylous, flowers
lavender.
longistylous, flowers lavender.

several erect stems
from root crown.
erect from decumbent
base, flowers yellow.
decumbent to ascending,
flowers white.
erect, mostly leafless.

calyx with deep red
veins.
flowers yellow.
plants spreading by
rhizomes
- dense tufts.

flowers pinkish

corolla bronze without,
~~calyx~~ green within, hood & horns
bronze-purple, sap milky.
erect, corolla bright
yellow, red ~~at base~~ in center

73364 Penstemon

rare in low pasture

65 Rhus

low swampy woods

66 Geum

low swampy woods

67 Lysimachia

low swampy woods

69 Carex

pasture

69 Matricaria

common in pasture, not
much eaten by cattle.

June 20 same loc.

70 Penstemon

old field, rather wet, burned
several years ago

71 Oxysplendium arboreum

old nursery site,
obviously persisting
from nursery stockJune 22 - Plant Industry Station,
Beltsville, Md.

weedy banks along road

72 Medicago lupulina

73 Achillea millefolium

wet ground

74 Apocynum cannabinum

small colony

75 Verbascum

not seen

corolla white

large shrub, 3 m.

Tall, fls. yellow-green

erect, flowers yellow,
reddish in center.

tree 12 m. tall, 25 cm.

thick, ~~bark~~ bark

slightly scaly.

ray white, disk yellow.

erect, fls. very pale lavender

small tree 7.5 m. tall.

tips ascending
prostrate, flowers yellow
heads whiteleaves ascending,
flowers whitish.
flowers yellow

23376 *Trifolium*
common

77 *Achillea millefolium*
dry ground

same weedy orchard
78 *Barbarea verna*

79 *Poa compressa*
abundant

80 *Melilotus*

81

abundant
82 *Phytolacca americana*

83 *Trifolium hybridum*

84 *Convolvulus*

plumose ams. purplish
heads white

~~leaves~~ caespitose,
leaves erect.
not tufted

herb 1.5 m. tall,
flowers yellow.
densely caespitose

~~the~~ herb 1.4 m. tall,
fls. whitish,
flowers ^{full} pink
vine prostrate on ground
and twining on ~~the~~ weeds,
flower white, stigma
of 3 enlarged, pointed
lobes.

June 23 - Thornton Gap,
headwaters of Thornton River.

690 m.

edge of cleared roadside,
23335 *Cornus alternifolia*

86. *Populus deltoides* Marsh.

87. *Philadelphus*

persisting from old habitation?

88 *Hedysotis*

grassy roadside ditch

June 23 - head of Hazel
Hollow, east slope of
The Pinnacle

980 m.

road cut

89. *Potentilla recta* L.

90 *Hedysotis*

common

91 *Hedysotis*

one tuft seen

92 *Hedysotis*

one tuft seen

Big Meadows Camp Ground,

grassy open woods

1100 m.

93 *Lisyrinchium*

grassy open woods

small tree 4 m. tall, leaves
glaucous beneath,
cymes fleshy, reddish-green,
fruits green.

small tree 5 m. tall
~~pedunc~~ petioles vertically
somewhat flattened.

bush 3 m. tall, petals
white, almost all shed.
small tufts, flowers
violet

flowers subfur-yellow
caespitose, flowers
violet

caespitose, flowers
white

caespitose, flowers
lavender.

fls. pale blue without,
blue-violet within,
roots yellow.

23394 *Anemone*
95 *Hedysotis*

96 *Geranium*

June 27 - Big Meadows Bog

open bog surrounded
by low dense woods
of *Betula populifolia*
and *Crataegus* ^{surrounded} by grassy meadow

97 *Vicia*

open meadow

98 *Ranunculus abortivus*

open meadow

99 *Corylus americana*

abundant around edges
of woods.

23400 *Pyrus coronaria*

in open part of ~~the~~ bog

01 *Spiraea*

abundant in open part of bog

02 *Holcus lanatus*

occasional in grassy
edge of bog

03

in muddy open part of bog

04 *Galium*

in muddy open part of bog

05 *Carex*

in muddy open part of bog

sepals greenish, white
small tufts, flowers
varying on different
plants from white
to pale violet.
flowers purplish

of weak stemmed
flowers violet.
erect, past flowering.

bushes 1-1.5 m. tall

shrub 6 dm. tall,
petals white, fruits green.
shrub 1 m. tall,
flowers white.

dense tuft

erect, flowers white
spreading tuft.

- 23406 *Carex*
muddy open part of bog
- 07 *Panicum*
muddy open part of bog
- 08 *Salix*
open part of ~~so~~ bog
- 09 *Iris versicolor* L.
abundant in open part of bog
- 10 *Callitriche heterophylla*
in small pool
- 11 *Isotria*
in small pools
- 12 *Oenothera fruticosa* L.
common in open muddy part
of bog
- 13 *Iris versicolor* L.
abundant in open part of bog
- 14 *Danthonia spicata*
in openings in birch woods
- 15 *Pinus virginiana* Mill.
rare in birch woods
- 16 *Panicum*
common in birch woods
- 17 *Pyrus coronaria*
occasional in birch woods
- 18 *Pyrola*
common in birch woods

dense tussock

scattered solitary culms
and very small tufts.
small tree 4 m. tall

forming beds, larger
perianth segments
pale blue-violet with
yellow claw, smaller
— without the yellow.
submerged portions
with linear leaves,
emersed tips with
— broad leaves
quills terete, flat on
ventral side.
clumps, flowers
bright yellow.

perianth segments
blue-violet, ~~with~~
larger ones with ~~yellow~~
yellow claw

tree 5 m. tall

small exceedingly
thorny tree 3 m. tall.
— sterile
forming colonies under trees

23419. *Convolvulus spithameus*
rare in birch woods and around
outskirts
- 20 *Salix*
outskirts of birch-woods,
June 24 - David Spring, Big
Meadows,
mud below spring
21. *Veronica anagallis-aquatica*
- 22 *Juncus effusus*
23. *Epilobium adenocaulon*
24. *Polystichum acrostichoides*
shaded rocky wet place.
- 25 *Thalictrum*
edge of woods, not muddy.
26. *Troutvetteria carolinensis* (Walt.) Vail.
wet woods
- 27 *Thalictrum*
edge of woods, not muddy
- 28 *Sisyrinchium*
- 29 *Thalictrum*
edge of woods, not muddy
- 30 *Thalictrum*
edge of woods

- erect, not twining,
flowers white, stigma
branches long, thickened.
shrub 1.5 m. tall,
leaves glaucous,
venulose beneath,
veins impressed above.
- erect from decumbent
base, flowers pale bluish
lavender.
mass collection of
a single well developed
inflorescence from
each of many clumps,
and herbarium specimens
all from one clump.
flowers lavender pink
striped with white.
- fruits glaucous - purplish.
flowers cream-white
- fruits green
- fls. bluish, ~~pink~~ paler
without.
- fruits purplish - glaucous
- fruits purplish - glaucous

23431

Arisaema

wet woods

32

Thalictrum

wet woods

33

Habenaria fimbriata (Ait.) L. Br.

wet opening in woods

34

Petula lutea Michx.

common in woods

35

open mud

36

Juncus tenuis

open mud

37

open mud, common

38

Veronica

by spring in grass

39

Petula populifolia Marsh

dry slope above spring

June 24 - Big Meadows Camp

edge of escarpment

40

Dryopteris marginalis

rocky wooded place

41

Spiraea betulaeifolia var. *corymbosa*
(abund. f. *campii*)

stems and petioles mottled
glaucous, leaves glaucous
beneath, spathe not fluted,
green with bronze
mottling without
deep purple with white
stripes within, appendage
deep purple with bronze
base, stigma white.
herb 1.5 m. tall, fls
cream white.

flowers clear magenta-pink

tree 3 m. tall, one fruiting
twig seen, bark grayish,
with thin layers peeling off

bush 1.5 m. tall,
bark white.

(L.) Gray

flowers very pale pink to
white, pink in center.

23442 ~~23442~~

under trees, open grassy woods

43

under trees

44

Hydrophyllum

in undergrowth

45

Asclepias exaltata Muhl.

in brush in open woods

46

Convolvulus spithameus

in open woods

47

Quercus velutina

common in open woods

48

Lepidium

open rocky ground

49

Silene antirrhina

open rocky ground

50

Arenaria serpyllifolia

open rocky ground

51

Corylus cornuta

common undergrowth

52

Lesquerella

open rocky ground

53

Vitis

tangled in underbrush

54

Quercus

55

common in open woods

56

Galium lanceolatum

open woods

57

Rubus

open woods

58

Carex

open woods

Caespitose.

sepal pale green, petals
and pedicels bronze-purple.

fls. white

corolla pale bronze-green,
hoods pinkish white,
erect, corolla white, lobed.tree 10 m. tall, bark
yellow within (acorn cup) (in branches)plant gray-green,
flowers white
bush 1.5 m. tall

flowers yellowish.

leaves glaucous beneath

2 trees

tree 8 m. tall, acorns
from ground beneath trees,
flowers maroon, roots
yellowpinnocanes: ascending
florucanes prostrate tips
elongated, flowers white,
loose spreading clumps

134 59 *Hedysotis*
open woods

same - bog

60 *Juncus*

61 *Oenothera*

same - meadow near bog

62 *Cornus racemosa*
large colony in edge of low woods

63 *Sanicula*

same - woods on rocky ground
below bog

64 *Panicum*

65

66 *Panicum*

67 *Hedysotis caerulea* (L.) Hook.
rocky trail

68 *Viburnum acerifolium* L.

69

70 *Galium*

June 25 Big Meadows Camp

71 *Quercus*

common in open woods

small tufts
whole colony with white fls.

bushes 1 m. tall, fls.
white, with faint
unpleasant odor
fls. whitish,

erect
culms solitary small
tufts
fls. lavender with
yellowish eye
bushes 1 m. tall
fruits green
fls. yellow
prostrate

tree 10 m. tall
(acorns on ground beneath)

23472 *Oxalis*

open roadside

73 *Geranium*

open roadside

June 25 Big Meadows,
rocky knob east of meadow

1080 m.

74 *Athyrium*

rock crevices

June 26 Spittlers Knoll,

1050 m.

75 *Tragopogon*

open roadside, common

76 *Polygonum virginicum* (Mill.) Kosh
common in woodsJune 25 - 1/2 mi. e. of
Crescent Rock Spittlers Knoll

1050 m.

wooded slope

76 *Aster virginianus* (Mill.) Kosh

June 25 - Crescent Rock

1100 m.

77 *Corydalis sempervirens*

rock ledges

June 25 1/2 mi. n. of Crescent
Rock

1100 m.

78 *Isatis tinctoria*

open roadside, common.

erect, flowers yellow.

flowers magenta

fronds erect

ligules yellow.

tree 3 m. tall

plant glaucous,
scrolls rose with yellow
tips.(has spread in five
years along many miles of drive)

June 25 - Flyline Drive w. of
Pass Mountain 7600 ft.

23479. *Platanus occidentalis*
wooded slope below road

June 25 3/4 mi. n. of
Jeremy's Run Overlook 7000 ft.

- 80 *Galium*

June 25 Upper Overall
Run, just below Bear Wallow

31. *Lindera benzoin* (L.) P. L.
rocky talus with seeps of water 7000 ft.

32. *Barbarea vulgaris*
in old road

33. *Equisetum*
wet broken rock

34. *Silene cucubalus* L.
wet broken rock

35. *Hedysotis*
roadside

- ~~36~~ *Ribes*
ravine cut in rock

37. *Asplenium*
~~rock~~ rock crevices

- 38
rock ledge

- 39
rock ledge

spreading gnarled
tree

shrub 1.5 m. tall, aromatic
when broken, fruit green
flowers yellow

sterile

petals white, plant
sprawling, branched
at base.
loose tufts, flowers light
purple.

hanging bush, fruit green

fronds ascending

90 *Laxifraga*

rock crevices

91 *Corydalis sempervirens*

rocky slope

92 *Quercus*flat canyon floor of
broken rocks, open woods

93

94 *Orobanch*abundant under a large
Quercus rubra tree95 *Viola*

96

scattered

June 25 Bear Wallow
near head of Overall Run.800m.
flat rocky ground, wooded,
with marshy places97 *Oxalis*98 *Acer nigrum* var.
dominant tree99 *Carex*23500 *alnus*

common in wet places

01 *Carex*

02

muddy place, abundant

03

muddy place

leaves rose-bronze
beneath, flowers whitetree 10 m. tall, leaves
glaucous beneath
~~trunk~~ bark scaly.erect, solitary culms
yellowish-white

bush 1 m. tall

erect, flowers yellow.
tree 15 m. tallerect clump.
shrubs 3 m. tall

loose spreading clump

23505

muddy place

06 Viola

open woods, under trees

07 Lonicera

open woods under trees

+ 08 →

with H.C. Farnell June 30 - Sleepy Hollow,
1 1/2 mi. s. of Falls Church, Fairfax Co.
brushy roadside, edge of oak woods

08a Corylus americana

09 Corylus americana f. missouriensis (Forn.) Fern.

growing with 23508 & 23520

10 Malaxis

10 Corylus americana

11 Malaxis unifolia (Michx.) B.S.P.

12 Salix

13 Carex verticillata

+14 Linum

14 Linum

+15 Juncus

weedy open strip in wooded
bottom - land cleared in
early 1942

15 Juncus

16 Gentellaria

17 Hystrix patula

18 Circaea

June 29

Celtis

College Park, Md. roadside
tree 7 m. tall.

bush 1.5 m. tall

bush 1.5 m. tall, leaves

chlorotic in appearance.

leaves pallid beneath,

flowers green.

leaves pallid beneath,

flowers green.

shrub 4 dm. tall.

fls. deep yellow, brizomes

yellowish.

flowers yellow

solitary or scarcely
caespitose.

fls. blue-purple

erect, not caespitose

leaves diseased, fls. white.

✓ July 1 - Accotink Creek
~~where crossed at bridge~~
 of Southern R.R.

marsh along shore of
 reservoir formed by the
 damming up of creek

23, 5 19 *Scirpus atrovirens* or *georgianus*

20 *Alnus serrulata*

edge of woods where
 small stream enters marsh

21 *Juncus*

uncommon in marsh

22 *Juncus*

rare.

23 *Hedyotis*

rare in marsh

24 *Juncus*

occasional

25 *Ludwigia*

rare

26 *Juncus*

occasional

27 *Sisyrinchium*

occasional

28 *Callitriche heterophylla*

in small slow stream
 in edge of marsh

29 *Callitriche heterophylla*

in small slow stream
 in edge of marsh

30 *Linum*

31 *Galium*

32 *Eleocharis*

33 *Juncus*

common

clumps
 shrub 2 m. tall

isolated shoots.

erect

fls. blue-violet, paler
 without.

broader leaves floating,
 narrow submerged,

plants limp.
 submerged, plants
 rather springy

flowers yellow

erect, flowers white.

dense clump.

isolated culms

23534 *Carex*

occasional

35 *Alisma plantago-aquatica*
common in muddy edges of water36 *Eleocharis obtusa*

common in muddy edges of water

37 *Potentilla norvegica* var. *hirsuta*edges of woods, recently
burned over, above
marsh.38 *Hedyotis purpurea* (L.) T. & G.39 *Satureja vulgaris*

bottom-lands along creek

40

road embankment

41 *Dryopteris*42 *Geum*43 *Sisymbrium*

rocky stream - bed.

44 *Dryopteris*

bank above stream

45

near stream

46 *Hedyotis*July 1 - between Ravenscroft
Station and Accotink CreekOak woods on rolling
land46 ~~*Hedyotis*~~47 *Malaxis*

clump, stems leafy

petals white

dense clumps

erect, petals yellow

flowers lavender

fls. yellow.

fronds erect, veins prominent

petals white

fls. yellow

purplish green

fls. green

- 23548 *Lobelia spicata* var. *scapifera* Mill.
clearing along railroad
- 49 *Linum*
clearing along railroad
- 50 *Gallenia trifoliata*
clearing along railroad
- 51 *Cryptotaenia canadensis*
side of ravine
- 52 *Galium pilosum*
- 53 *Panicum brevifolium*
- 54
- 55 *Fagus grandifolia*
- 56 *Galium circaezans*
- 57 *Luzula*
occasional in woods
- 58 *Mitchella*
occasional mats in woods
- 59 *Hedyotis purpurea* (L.) T. & G.
occasional tufts

July 6 - Sleepy Hollow, 1 mi.
S. of Falls Church, Fairfax Co.

- 60 *Eleocharis*
wet subsoil turned up last
winter in bottom-land
- 61 *Juncus*
wet subsoil turned up last
winter in bottom-land
- 62 *Daucus carota*
weed along roadside
- 63 *Daucus carota*
weed along roadside

flowers all purplish pink
with 23562 & 63, 4 out of 18 with deep
purple flower in center. Later in flowering
than the white flowered ones

23563a *Daucus carota*
weed along roadside

suffrutescent herb
0.7 m. tall.
fl. white

prostrate
culms solitary, ascending
culms erect, spikelets
pendent.
tree 8 m. tall, bark
gray.
stems ascending,
roots yellow.
tufts, connected by
rhizomes.
forming loose mats,
fruits green.
flowers lavender.

dense tuft

small tufts

- (33) mass coll. to show relative proportion
of plants with a purple flower (23562) in
(14) the center of the umbel to those
without (23563)

July 8 - Elkins, 1 mi. s. of
Great Falls, Fairfax Co. 90 m.
woods rather recently
burned by a ground fire
which destroyed the
undergrowth but not the
taller trees, covered
with a growth of herbs.

23564 *Circaea quadrangulata*
var.

65 *Galium circaezans*

66 *Phryma leptostachya*

67 *Hedysotis*
rare

68 *Galium*

69 *Acalypha*
rare

July 8 Great Falls of the Potomac,
Fairfax Co., Va.
rocky flat and tops of low
rock cliffs

70 *Ruellia*
edge of open woods.

71 *Hedysotis*
patches of soil and crevices
in rocks

72 *Galium pilosum*
rocks, in pockets of soil

buds pinkish, flowers
white

ascending, roots yellow
erect, flowers purplish-
maroon, with white
tube.

flowers pale lavender

stems prostrate to
ascending, flowers
purplish-green.
erect

flowers blue-violet

flowers lavender

stems ascending to prostrate

- 235 73 *Clitoria mariana*
rocky flat
- 74 *Justicia americana*
crevices in rocks in pools
in rocky cascade
- 75 *Veronica virginiana*
rock flat, ~~not~~ growing
up through deep grass
- 76 ~~*Allium cernuum*~~
sand
- 76 77 *Viola*
rock flat, abundant
- 77 *Allium cernuum*
sand on rock flat, common

July 14 - 1/2 mi. n.w. of Hemlock
Spring Overlook

Shen. Pk.

brushy banks above road

930 m.

- 78 *Prunus virginiana*
- 79 *Epilobium angustifolium*
July 15
~~Big Meadows~~ - Big Meadows Campground
- Oaks forest
- 80 *Corylus cornuta*
common, makes up most of
underbrush

1000 m.

flowers pale lavender

erect, stems fleshy,
flowers lavender, center of
lobes purpl, stamens
deep purple.
erect, flowers white

~~erect~~
loose clumps, spikelets
pendent
umbels ~~not~~ nodding,

shrub 1.5 m. tall, fruit red,
sweetish but ~~fruity~~ astringent.
corolla magenta

bush 1.5 m. tall, no
pubescence, esp. on young
twigs

July 15 - saddle s.w. of Hawksbill Mt.
n. of Spitzer Knoll,

open meadow on gentle west
slope, scattered bushes and
patches of brush.

73581. *Allium cernuum*

82. *Trifolium*

83. *Tragopogon*
common

84. *Nepeta cataria*

85. *Rhus typhina* L.
common

July 15 - Rock Spring Shelter,
^{3/4 mi.} s.w. of Hawksbill Mt.

1000-1050 AM.

wooded ravine

86. *Vaccinium*

87. *Corylus cornuta*
~~obovata~~

88. *Lilium*

89. *Acer nigrum* var.

90. *Prunus pensylvanica*

flowers lavender, umbels
nodding. leaves flat
flowers yellow
erect herb, branching
when older, flowers
pale yellow, bracts
longer than flowers
aromatic. flowers pinkish-white
shrub 2 m. tall, leaves
glaucous beneath, pubescent
of immature fruit rose-purple.

low-bushes, leaves
glaucous beneath, berries blue.
- bush 1 m. tall (white
- short tubes)
- small spreading tree,
leaves green beneath.
tree 3 m. tall, (specimens
from lowest branch), leaves
- glaucous beneath.
- slender shrub 1.5 m. tall,
fruit bright red.

23591 *Thalictrum*92 *Oenothera*

common along trail

93. *Betula lenta*
commonJuly 15 - Appalachian Trail,
west slope Hawksbill Mt.

open woods

1050 m.

94. *Corylus cornuta*95 *Dryopteris*96. *Menispermum canadense*97. *Hedyotis caerulea* (L.)
shaded place along trail98 *Vaccinium*
~~clumps all low~~99 *Aster*with
M.A. Frabey to 256223600 *Quercus*01 *Aruncus*02 *Tilia*03 *Corylus americana*

leaves glaucous beneath,
 - fruits glaucous - purplish,
 erect herbs 1 - ~~2~~ m. tall,
 petals butter-yellow,
 androecium somewhat
 zygomorphic.
 - tree 8 m. tall, 1 dm. thick,
 broken parts with
 strong wintergreen odor.

bush 1.5 m. tall,
 - (note long tube)
 fronds somewhat crisped,
 rhizome subterranean,
 vine climbing in
 - bushes, fruit immature,
 past flowering

clumps all low, berries
 - glaucous.
 rays lavender, disk
 yellow, turning red

leaves lustrous above,
 - petioles & midribs reddish,
 - fruits green
 - leaves green beneath, fls. whitish
 - shrub

23604. *Acer pensylvanicum*

05. *Smilax racemosa*

06. *Acer spicatum*

07. *Astilbe*

08. *Thysocarpus opulifolius*

09. *Diervilla lonicera*

10. *Acer spicatum*

11. *Hamelis virginiana*

12. *Lysimachia quadrifolia*

13. *Zizia* ^{aptera (gray) 7 ann.} ~~condifolia~~

14. *Tilia*

15. *Scrophularia*

16

17. *Hydrophyllum canadense*

18. *Monotropa uniflora* L.

19

20. *Baptisia tinctoria*

21. *Dioscorea quaternata* var. *glauca*

22. *Tilia*

trunk smooth, white
striped, fruiting spikes
pendent, wings green.

fruits bronze
branches brownish, not
striped, fruiting spikes
pendent, wings reddish,
fruit green

shrub

fls. greenish yellow. (10 fls.)
fruiting spikes drooping,
wing reddish.

shrub

erect, fls. yellow with
extreme base of petals
red, margins reddish.
herbage with celery odor
when broken

tree, flowers whitish
leaves green beneath

^{lobed} corolla red, base green.
herbage with a strong
oily odor when broken.

roots fleshy

white, odorless

fruit with oily odor when
broken

flowers yellow

wine, fruit green

leaves glaucous
beneath

July 15 - trail up west
slope of Hawksbill Mt.
23623 *Galium*
wooded slope

July 15 summit of Hawksbill

low brushy woods of deciduous ^{245 m.}
trees with *Abies* & *Picea*, on top
rocky cliff

24 ~~*Solidago*~~ *Hedysotis caerulea* (L.) Hook.
earth in edge of woods

25 *Solidago*

26 *Hydrangea arborescens* L.

27 *Hydrangea arborescens* L.

28 *Spiraea latifolia*

29 *Spiraea latifolia*

July 15 ^{Lewis} ~~Rock~~ Spring Shelter
headwaters of Hawksbill Creek

under hemlocks in ^{rocks} bed 970 m.
of stream

30 *Maianthemum canadense* Desf.

31 *Clintonia*

32 *Circaea alpina* L.

wet ground

33 *Lycopodium lucidulum* Michx.

flowers red caespitose

past flowering

flowers yellow, scarcely
in flower yet.
shrub 1 m. tall, flowers
white.

shrub 0.7 m. tall, flowers
pale pink
spreading clump several
meters across, 0.5 m. tall,
flowers pinkish white.
spreading clump 2 m.
across, 0.5 m. tall, fls. white.

fruit mottled with purple
fruit blue
flowers white, stems succulent

23634. *Oxoclea sensibilis* L.
 35. *Buttaveeria carolinensis* (Walt.) Vail

same - deciduous forest

- 36 *Aconitum*

- 37 *Festuca*

38

39. *Circaea quadrangulata* ^{var. canadensis (L.) Horn}

40. *Impatiens biflora*
 large patch ~~near~~ along stream

41. *Impatiens pallida* L.
 common but further from stream than #3640

- 42 *Angelica*
 occasional

- 43 *Aureolaria*
~~very~~ occasional.

44. *Ceanothus americanus*
 occasional

- 45 *Hedysotis*
 common in open woods on rocky slope

July 15 - canyon wall below Lewis Spring Shelter but above Falls, headwaters of Hawksbill Creek sparsely wooded rocky slope

sterile
 fruit green

stems prostrate,
 flowers white with greenish limb

tufts, culms arching

fls. white
 stems succulent,
 flowers orange, spotted with red.

stems succulent, flowers pale straw-color with a few purple spots within herb 3 m. tall, fruits with strong unpleasant oily odor when broken.

flowers bright yellow,
 caespitose clumps, flowers white

caespitose, flowers from ~~lavender~~ lavender to white. Mass esp. 1 stem from each clump seen in 100 m. along trail.

- 236 461. *Parthenium integrifolium*
 47. *Acer spicatum*
 bottom of ravine near stream t
 48. *Corydalis sempervirens*
 rock crevices or ledge
 49. *Acer pensylvanicum*
 bottom of ravine near stream t
 50. *Hedysotis*
 rocky canyon wall

51. *Oenothera*
 small colony in semi-open place

- July 15 - Appalachian trail
 just south of and above
 Lewis Spring Shelter,
 headwaters of Hawksbill
 Creek,

open slope with scattered
 bushes and patches of brush or
 brushy woods.

52. *Betula lenta*
 53. *Scrophularia*
 54. *Asplenium platyneuron* (L.) Palau
 55. *Aster*
 56. *Scrophularia*
 57. *Liatris vulgare* (L.) Fritsch.

erect, heads white
 bush 2 m. tall

plant glaucous

shrub 3 m. tall

caespitose, fls. lavender.
 mass coll. of one stem
 from each clump seen
 on about 100 m. of trail
 erect herbs 1 m. tall,
 flowers bright yellow.

small tree 2 m. tall,
 bark with strong wintergreen
 odor when broken.
 branching at base, corks
 limb minor, base green
 fronds erect.
 rays lavender, disk reddish
 stems & leaf purple, corks
 limb deep purple, base green.
 flowers magenta

23658. *Geranium maculatum*
 59. *Convolvulus sepium*
 60. *Hieracium pratense*
 61. *Polygonum*
 62. *Tristemon perfoliatum*

63. *Lysimachia quadrifolia*

64. *Anemone virginiana* L.
 common

July 16 - Falls of upper
 Hawksbill Creek below
 Lewis Spring Shelter.

steep rocky canyon
 walls, sparsely wooded,
 some talus slopes 260 m.

65. *Adlumia fungosa*

66. *Campanula*

flowers purple
 flowers white
 flowers yellow
 flowers whitish,
 clump of herbaceous
 stems, m. tall, bracts
 dull red, immature.
 erect, flowers yellow
 but red center, large,
 margins red also.
 (all in this colony of this color)
 mass coll - infl. with
 bracts of many plants
 not very close to each
 other - much variation
 in bracts - from small
 & green to large & white.

vine up to 2 m. long,
 glaucous, fls. whitish
 turning lavender, limb
 greenish.
 erect herb 1 m. tall,
 branching at base, main
 stem with small axillary
 branches, flowers blue-violet
 with tube white.

23667 *Sedum*
abundant on rocks

67 *Woodsia*
in rock crevices

69 *Actaea*
rock crevice, ^{near} bottom of canyon

70 *Asplenium*
rock crevices, near bottom of canyon

71 *Campanula*

72 *Dryopteris*
rock crevice near canyon bottom

73 *Arabis*
rock crevice near canyon bottom

74 *Polystichum acrostichoides*

75 ~~*Polystichum*~~

talus

76 *Lilia*
talus

77 *Canotus americanus*
scattered clumps

78 *Draba ramosissima*
on ledge covered with
thin talus

79 *Juncus*
rocky slope

80 *Impatiens pallida*
rocky slope, shade

forming ^{loose} mats of fleshy
rosettes, flowers white
tinged with pink,
mostly in fruit.
- anthers deep purple
dense tufts.

pedicels thick, green.
fruit white.
tufts, appressed to rocks.

caespitose, flowers violet

prods compressed

erect.

spreading tree,
fls whitish, leaves
glaucous beneath
- mass coll. one twig from
each clump (herb
specimens from one clump)
dense clumps, on
ledge covered with
thin talus

stems succulent,
flowers clear bright
yellow, red spotted
within.

22681. *Coralorhiza maculata*
^{edge of} trail in shade, only
 one seen.

July 16 - Swift Run Gap.

- roadside, 7600 ft.
 82. *Trifolium arvense*
 abundant
 83. *Trifolium*

July 21 ^{mor.} - Jewel Hollow
 Overlook,

2900'

84. *Myrica pensylvanica*
 road cut

July 21 - 1/2 mi. n. of
 Crescent Rocks

- woods on rocky slope 3500'
 85. *Lilium*
 edge of woods

86. *Hydrangea arborescens*
 road cut

87. *Caulophyllum thalictroides* (L.) Michx.
 deep shade

88. *Hydrophyllum canadense*
 deep shade

plant bronze-pink,
 sepals and petals bronze
 tipped with purple-bronze,
 lip white with deep
 purple spots.

prostrate, flowers yellow

spreading clone, 6 dm.
 tall, sweet smelling.

large spreading tree,
 leaves somewhat
 bluish green beneath
 low shrub, ~~staminate~~
 fls. purplish, ~~style~~ ^{style growing}
 deep pink
 mature fruit blue,

roots ^{small} golden orange, fleshy

- 23689 *Ribes*
road cut
- 90 *Oenothera*
roadside
- 91 *Ranunculus abortivus*
deep shade
- 92 *Ribes*
deep shade
- 93 *Hydrangea arborescens*
road cut
- 94 *Impatiens pallida*
deep shade
- 95 *Hydrangea arborescens*
road cut

July 21 - Headwaters of
Thornton River just
below Thornton Gaff

2000'

- 96 *Ailanthus altissima*
abundant along road
- 97 *Ailanthus altissima*
abundant along road

July 21
David Spring, Big Meadows

marshy place below spring 3300-3400 ft.

- 98 *Hypericum mutilum*
- 99 *Galium*

erect herb, 1 m. tall,
fls. yellow

flowers white

fls. clear yellow,
internally finely
dotted with purple
style, free part of carpel
rose

tree 6 m. tall

tree 4 m. tall, fls. white

flowers yellow
erect, flowers white
3-parted.

23700

Eupatorium~~erect~~

- 01 *Chelone glabra* v. *elata* Raf.
- 02 *Impatiens pallida*
immediately adjacent
to large colony of *I. biflora*,
but relatively scarce
- 03 *Impatiens biflora*
large colony of two
principal color patterns
this and 23704 growing
mixed
- 04 *Impatiens biflora*
same

July 24 Big Meadows
Bog

3300'

brushy marsh, surrounded
by young *Betula* - *Crataegus* -
Physocarpus wood, surrounded by meadow

- 05 *Rhus typhina*
scattered colonies in meadow
- 06 *Rhus typhina*
scattered colonies in meadow
- 07 *Lycopodium complanatum*
meadow

- erect herb 1-1.5' m. tall,
stems ^{weird} purple, with
solid pith, infl. very
- convex, pinkish lavender
herb, m. tall, ascending,
- fls. rose inside
stems succulent,
flowers clear yellow,
~~at~~ minutely dotted
with purple within.
stem succulent,
1 m. tall, flowers orange,
~~at~~ red spots within
so large that they
run together, making
the interior mostly red
- ~~stem~~ same, ~~fls~~ only
lower part of spur
red, spotted, lower petals
red near base.

- shrubs 1 m. tall, fruits
with red pubescence
shrubs 1.5 m. tall
- fls. dull greenish yellow,
prostrate

23,703. *Hypericum mutilum*

bog

3 09. *Spiraea latifolia*
abundant in bog

10. *Ludwigia*
prostrate

11. *Lysimachia ciliata*
abundant

5 12. *Rosa* ~~prostrata~~
large dense colony in marsh

13. *Trautvetteria caroliniana*
occasional in ~~marsh~~ ^{marsh}
and meadow

2 14. *Arisaema stewardsonii*
marsh

15. *Oenothera fruticosa*
abundant in marsh
and along stream leaving marsh

16. *Lobelia cardinalis* L.
uncommon in marsh

3 18. *Rubus*
common in marsh

17. *Oenothera fruticosa*
abundant in marsh
and along stream leading from

19. *Sanguisorba canadensis*
abundant in marsh

flowers yellow

mass coll. one twig
from each of many
clumps, flowers
pinkish white.
- infl. variable in shape.
bronz green, prostrate

flowers clear yellow
with red center.
- plants $\frac{1}{2}$ to 1 m. tall,
petals bright rose,
- very little odor.
fls. white

past flowering, young
fruit. leaves clear
green beneath, spathe
- tube fluted.
flowers bright yellow.

buds deep red.

prostrate flowers white
caespitose, flowers bright

scapose, fls. greenish
white,

23720. *Veronica virginica*
marsh
21. *Isotria medeolae* pool
22. *Veronica virginica*
marsh
23. *Cacalia atriplicifolia*
24. *Paronychia*
dried stream bed, stony
25. *Veronica virginiana*
marsh

July 22 Big Meadows
Camp ground

26. *Physalis*
27. *Corallorhiza maculata*
28. *Chimaphila maculata*

erect clump, flowers
pale pinkish

erect clump, deeper
purplish pink than
#23720

erect, leaves white
beneath, heads white

erect clump, fls. purplish
pink, spikes variously
forked at top. several
clumps seen similarly
forked. All in this
vicinity this color.
with #23722.

fls. pale yellow, with
lobed lacinate
maroon spot in
center. Campanulate,
rhizome white, fleshy,
stem leaves purple-
bronze, fls. purple-
bronze with white
lip spotted with maroon-
purple.
leaves marked with white,
fls. white, ovary green

July 22 - Bootens Gap,

- weedy opening and road clearing, 992m
- 23728a *Galinsoqa*
 29. *Polymnia canadensis*
 dense colony along road
- 30 *Fragaria*
 common in opening
- 31 *Campanula*
 occasional in opening
- 32 *Hypericum*
 33 in road
34. *Polygonum aviculare* L.
 in road
35. *Plantago major* ~~major~~ *major*
 in road
- 36 *Scrophularia*
 edge of woods
37. *Cichorium intybus*
 common along roadsides
- 38 *Cynoglossum* ~~with white~~
 edge of woods
39. *Chelidonium majus* L.
 edge of woods
40. *Lepidium virginicum* L.
 edge of woods

- rays white, disk greenish yellow.
 herbs 0.5-1 m. tall,
 — heads pale yellow.
 receptacle oblong-ovoid,
 achenes superficial.
 pith scarcely developed.
 corolla blue-violet,
 white at base - erect herb,
 erect herb, flowers pale yellow.
 spreading tufts
- prostrate.

- erect, corolla limb
 maroon within, green
 — without, tube green.
 erect, flowers blue
- flowers ~~pinkish~~ white
- succulent, sap orange,
 flowers yellow.

July 23 Skyline Drive at
Bush Mt.

roadside

1000 m

23741

Paronychia
common

42

Vicia

43

Lathyrus

July 23 1/2 mi. north of
Lewis Mt. Picnic Ground, south
of Bearfence Mt.

1000 m

44. *Astragalus canadensis* var. *carolinianus* (L.) Fernald
rocky road cut

July 23 Kites Deadening, upper
end of Pocassin Fire Road

1000 m

45 *Hedyotis*

roadside at base of great rocks

46. *Impatiens pallida*

in ~~clump~~ single plant in
clump of pale ferns (23747)
at foot of large rock

47. *Impatiens pallida*

common at foot of rocks
and slope above, not near water

48. *Lobelia inflata*

weedy roadside

reclining ~~or~~ other plants
flowers ^{reddish} bright pink,
different plants
different colors, leaves
and stems glaucous.

~~rocky road cut~~
erect caespitose herb 1 m.
tall, calyx and corolla
greenish-yellow, corolla
becoming slightly red-
color. stems purple.

caespitose, flowers-lavender

erect, stem succulent,
flowers clear yellow,
finely dotted with purple
within.

succulent stemmed herb
1 m. tall, flowers straw color,
finely dotted with purple within.
flowers blue-lavender and
pink-lavender (only one of the blue-lavender).

July 22 - Swift Run Gap,

open weedy meadow

+37491 Polymnia canadensis

50. Sassafras albidum

51 Galium

July 22 - 1/2 mi. n. of Simmons Gap,
wooded slope

774 m.

52. Ulmus fulva

53. Rubus phoenicolasius
roadside, large colony54. Viburnum acerifolium
open rocky woods55. Ceanothus americanus
steep open rocky woods56. Monotropa uniflora
steep open rocky woods57. Hedysotis
steep open rocky woods

heads pale yellow
small tree 5 m. tall,
aromatic when broken,
fruits mostly green,
occasional ones purple
with red receptacle.
branching "terminaloid",
forming dense ground-
cover. roots yellow,
flowers white.

small flat topped tree
arching canes, ~~floriferous~~
rooting at tips, fine
prickles reddish, fruit
red, slightly tart and
astringent, forming free
from the orange conical
receptacle.

shrub 1 m. tall,

fruit green

mass collection
of twigs from separate
bushes
plants white.

mass coll. of stems from
separate tufts. fl.
lavender.

27753 *Corallorhiza maculata*
steep open rocky woods

59 *Oenothera*
road cut talus

July 22 Headwaters of ^{S. Fork} Rocky Mountain Run ^{(left fork of}
Run, 3 mi. S.W. of Simmons
Gap.
steep ^{dry} rocky scrub oak
~~talus~~ slope. 800 m.

59a *Hedyotis*

60 *Vaccinium*
common

61 *Leucocarpus asteroideus*
rare

62 *Quercus ilicifolia*
abundant

63 *Nyssa sylvatica*
rare, but on rocky dry talus

July 22 - just south of
Beagle Gap 900 m.

open weedy slope

64 *Linaria vulgaris*

65 *Vernonia*

66 *Crataegus*

67 *Hedyotis*

68 *Monarda*

69 *Plantago* ^{aristata}
roadside, abundant

70 *Crataegus*

plant bronze, flower
bronze-purple with
white lip with purple spots.
herb 1 m. tall, flowers yellow

caespitose, fls. lavender,
spreading clones, all low,
leaves glaucous beneath,
stiff, berries blue,
of poor flavor.
rays white

bushes 2 m. tall

small tree 3-4 m. tall.

flowers yellow, petals orange
flowers deep purple
small shrub, sterile
flowers lavender
aromatic herb, fls. pink

small rounded tree 5 m. tall

July 25 - Scott Mt.
(overlook)

roadside thicket

3771. *Astragalus canadensis* var. *carolinianus* (L.) Jones

72. *Lymnophorocarpus cuneolatus* Michx.

73. *Anemone virginica* L.

Aug. 10 - Sleepy Hollow, 1 mi. S. of
Falls Church, Fairfax Co.

74. *Polygonum orientale* L.
weedy roadside

Aug 12 - same.

marshy place in ~~pasture~~
open bottom - land pasture

75. *Ludwigia Rotula ramosa* in
common in patches

76. *Gratiola Lindermanii*

77. *Mimulus ringens* L.
occasional

78. *Alisma plantago-aquatica*

79. *Penthorum sedoides*

80. *Ludwigia palustris*
abundant

81. *Nitella*

abundant in pools of water

erect caespitose herbs.
fls with calyx and
corolla greenish yellow
turning slightly lead-
color. Stems purple
shrub 0.7 m. tall, fls. pinkish,
erect, caespitose

erect, spikes crimson,
nodding.

well developed after a very heavy rainy spell.

erect, turning reddish,
petals 4, small, white to pink.

~~state short to~~
~~roots moistened~~
slender, fls. purplish.

erect, basal 1-1.5 dm. thickened
and spongy, corolla

tube white, throat and
limb violet, palate yellow.

throat almost closed by palate
panicles erect, petals 3, white.

flowers whitish
prostrate, mat-forming.

bronzed, fls. green.

fruit orange, plant
somewhat springy.

- 27792 *Paspalum*
edge of stream
83 *Echinochloa*
marsh

Aug. 13 - same
reddish acid soil on ^{hills} old field
knoll, very little topsoil.

- 84 *Rhus copallina*

- 85 *Rhus copallina*

Aug. 16 - same
~~marshy place~~ ^{bottom-land} pasture
86 *Lindernia*
abundant in wet place

- 87 *Paspalum laeve*
common ~~in~~

- 88 *Paspalum*
common

- 89 *Helenium*
only one seen

loose clump

loose clump

bush 1 m. tall, branching &
flowers greenish yellow.
bush 1 m. tall, branching,
young fruits pinkish-
purple, glaucous.

plants varying greatly
in slenderness, and in
color of stems, length
of pedicels, size of
corollas. corollas lavender.
spreading tufts, grazed
spreading to erect, grazed.
disk reddish, rays
chrome-yellow.

Aug. 13 - Thornton Gap

23790. *Eunymus*
 bushy slope along road
 roadside, probably, escaped

91. *Polygonum*
 climbing over brush
 92. *Bidens*
 93. *Clematis virginiana*
 climbing over brush
 94. *Monarda fistulosa*
 common on open roadside
 95. *Quercus velutina*

Aug. 13

Booster's Gap

97. *Plantago rugelii*
 stony roadbed.

Aug. 13 Thornton Gap

96. *Polygonum cuspidatum* Mill. + Zucc.
 roadside

Crescent Rocks

Rock Ledges

97. *Liatris*

extensively creeping,
 forming a dense mat
 about 2 dm. thick,
 sterile.
~~erect~~ extensive vine, fls. white

fls. yellow.
 extensive vine,
 flowers white, fruit
 immature.
 erect, fls. pale lavender

tree 15 m. tall, inner
 bark dull orange,
 leaves with dark
 oily luster.

hollow-stemmed. ^{much branched}
 herb 2 m. tall, flowers
 white, fragrant.

caespitose, erect, bright purple fls.

23792. *Agrostis perennans*
 199. *Poa compressa*
 23800 *Paronychia*
 01 *Arabis*

Aug. 13
 Big Meadows

- bog, mostly overgrown
 with tall grasses and sedges
 02 *Epilobium*
 03. *Pycnanthemum flexuosum*
 large patch
 04 *Epilobium*
 common in bog
 05 *Lycopodium*
 occasional
 06. *Labelia cardinalis*
 common locally
 07 *Aquimonia*
 in meadow
 08 *Vernonia*
 common in bog

Aug. 13 - Pine Fields Reanto

- rocky slopes with thin woods
 09. *Agrostis perennans* (Walt.) Fernald, det. A. S.
 scattered

Aug. 19 - same

10. *Panicum lindheimeri*
 11 *Spiranthes*
 rare

erect, panicle nodding
 - erect
 - flat topped
 glaucous, flowers white

flowers pink
 aromatic, flowers
 purplish white

flowers white, rhizome
 - with white fusiform enlargements
 erect, in clumps, corolla
 deep scarlet, anthers
 dull gray, beard white,
 erect

erect, clumps, flowers
 deep bright purple

small tufts, erect.

small tufts
 flowers white, roots fleshy

23812. *Panicum huachucae* Ashe
 13. *Chimaphila maculata*
 not common, under trees
 14. *Gaultheria procumbens* L.
 occasional
 15. *Lerpedia hirta*
 Aug. 19 - Skyline drive - n.w.
 of Pinefield Leanto
 rocky road-cut.
 16. *Hieracium scabrum*
 17. *Hieracium paniculatum*
 18. *Aster*
 19. *Arctium*
 20. *Pteridium aquilinum* (L.) Kuhn.
 talus
 21. *Liatris*
 22. *Polygonum*
 23. *Euphorbia maculata* L.
 roadside
 24. *Hedysotis*
 opening in ~~scrub~~ brush on ridge
 25. *Hedysotis*

- large tuft, culms prostrate
 leaves dark dull green,
 marked with white.
 rhizome prostrate
 subterranean, fruit green,
 broken part with
 wintergreen odor.
 erect clump, flowers cream-
 white with red spots at sides.
 roots milky
 erect clump with few
 stems, flowers yellow.
 erect, flowers yellow
 erect, rays lavender, disk
 reddish.
 flowers purple
 large leaves on a basal
 rosette, fertile part
 of plant 3 dm. tall,
 much branched,
 rhizome deeply buried
 erect, flowers rose-purple
 twining over weed.
 nodding
 small tuft.
 flowers lavender to
 white (the whiter ones in shade)

23826. *Dirodia teres*
small but dense patch in open

Aug. 19 Ridge from main ridge of Blue Ridge
to Rocky Mt.

wooded ridge of broken quartzite

27. *Stellaria pubera* Michx.

28. *Polygonum*

29

30. *Galium*

31. *Eupatorium*

abundant along trail

32. *Polygonum pennsylvanicum*

33. *Amphicarpaea bracteata* (L.) Fernald

34. *Leonurus cardiaca*

35. *Parietaria pennsylvanica*
Muhl. ex Willd.

36. *Gaylussacia baccata* f.
with #23838, rare

37. *Tephrosia*

common

38. *Gaylussacia baccata* f.
with #23836 but much more common

39. *Lyonia ligustrina*
uncommon

40. *Vaccinium*

uncommon

41. *Xerophyllum asphodelioides*
good sized colony on dry east slope
with *Quercus ilicifolia*

flowers lavender-pink

flowers white
vine climbing over plants,
flowers white

fruit green
roots bright yellow
flowers white

erect, flowers pink
twining, flowers cream-
white

erect clump
apparently attached
by a mosaic disease.
bush 1 m. or less, tall,
fruits black, flavor good
grayish, caespitose

bush 1 m. tall, fruits with
bloom,
bush 1 m. tall

bush 1 m. tall, upper
stems green, berries blue,
flavor good.
caespitose clumps,
old fruits only seen

- 73842 *Angelica*
 43. *Quercus prinus*
 dominant tree
 44. *Quercus marilandica*
 common in scrubby forest
 45. *Quercus marilandica*
 common in scrubby forest
 46. *Epigaea repens*
 rare on dry brushy slope

Aug. 19 - slope of Rocky
 Mount

- dry, quartzite slopes,
 alternating open talus,
 brush and patches of forest
 47. *Quercus marilandica*
~~shrub~~ common in brushy forest
 48. *Castanea pumila*
 rare on brushy slope
 49. *Euphorbia corollata*
 openings
 50. *Vitis*
 51. *Aster linifolius*
 occasional in openings
 52. *Asclepias verticillata*
 quartzite talus, rare
 53. *Quercus coccinea*
 occasional in brushy slope

- erect herb, stems purple
 small tree, leaves less deeply
 lobed than usual
 small tree, 5 m. tall,
 fruit not mature
 small sterile tree
 prostrate

shrub 2 m. tall

shrub 1 m. tall

flowers white, ovary green,
 mass collection to show
 variation in shape of appendage
 woody vine, leaves
 blue glaucous beneath,
 petioles reddish, fruit
 green.
 rays purple, leaves
 stiffish
 flowers white
 tree 6 m. tall, sterile

23354. *Quercus ilicifolia*
abundant on rocky slopes,
forming a bushy chaparral-
like vegetation

55. *Quercus marilandica*
~~abundant~~ ^{common} on rocky
slopes in brush with
Q. ilicifolia

Aug. 19 - ~~top~~ summit
ridge of Rocky Mt.

56. *Pinus strobus* L.
ledge of eroded quartzite

57. *Anaphalis margaritacea*
small colony

58. *Solidago*
occasional on open rock

59. *Rhus toxicodendron*
small colony under trees

60. *Melanopyrum lineare* ^{var. latifolia}
(Muhl.) Reuss
occasional in openings

61. *Xerophyllum asphodelioides*
colony scattered along ridge

Aug. 20 - Pinefields, Reanto
~~at~~
rocky slopes

62. *Hieracium fravinculatum*

63. *Grapphalium*
wady clearing

64. *Vitis*
edge of clearing

mass collection of
twigs from ~~many~~ different
individuals to show
leaf variation
mass collection
to show variation
in leaf outline

small tree 6 m tall
- cones on ground under trees
erect

erect, flowers yellow
strictly erect, 10 m.
- tall
- corolla white, opening
- yellow.
caespitose

erect, flowers yellow

woody vine climbing
over trees, sterile.

23865 *Pyrola*

mixed woods, small colony

66. *Malaxis unifolia* Michx.

mixed woods, only 2 plants seen

67 *Linum*

small colony, shaded

68 *Paronychia*

occasional, shaded

~~69 *Hierac*~~69 *Solidago*

shade near stream

70. *Hypericum gentianoides*
road in weedy clearing,71 *Crataegus*
colony of small plants in field
Aug. 20 - just n. of Loft Mt.

weedy roadside

72 *Erigeron canadensis*73 *Ambrosia trifida*

large colony

74 *Oenothera*

occasional

75. *Cirsium discolor*

occasional

76. *Lactuca scariola* L.

common

Aug. 20 - Simmons Gap, east slope,
upper left fork of Ivy Creek.

wet bottom of canyon,

77. *Mentha spicata* L.abundant in mud
between large rocksveins pellucid, raised
on glossy upper leaf surface.
(fruiting plant collected same
place Sept. 15).stem not glaucous,
flowers yellow
flowers yellow, fruit red.shrub 1 m. tall, flat topped,
sterile.erect, heads white
herb 2 m. tall.

erect herb, flowers yellow

herb 1 m. tall, much
branched, heads bright ^{rose} purple
flowers pale yellow.

23878. *Vernonia glauca*
occasional in wet ground
79. *Viola*
small but dense colony
80. *Epilobium*
occasional in mud
81. *Polygonum virginianum*
small colony in wooded slope
82. *Verbena urticifolia* L.
uncommon in wet places
83. *Impatiens biflora* f.
wet place
84. *Stachys*
wet place, only one plant seen
85. *Symphoricarpos orbiculatus* Moench
roadside
86. *Impatiens biflora* Walt.
large colony in wet stream bed
87. *Silene*
wet stream bed
88. *Eupatorium perfoliatum* L.
small colony
89. *Lobelia siphilitica* L.
occasional in wet stream bed
90. *Mimulus ringens* L.
common in wet stream bed
91. *Juncus*
rare, in deep weed vegetation
in wet place

- herb 1.5 m. tall, flowers
deep ~~violet~~ purple
~~small branch~~
- tall, much branched herb,
flowers pink
erect
- erect, flowers white,
much larger individual seen.
Two or three plants seen
of this form, cream color
with fine red dots,
among large colony of
orange form (#23886)
erect, flowers white
- small shrub
- herb 1 m. tall, stem succulent
corolla orange with
bright red spots.
corolla white, calyx
with deep green ribs.
leaves rugose, heads
dull white.
corolla deep violet
- erect, flowers ~~pale~~
lavender

23392 *Leersia oryzoides* (L.) Sw.
wet place

93. *Panicum clandestinum* L.
roadside

94. *Laportea canadensis* (L.) Gand.
moist, desiccating roadside ditch

95. *Carya ovata* (Mill.) Koch
edge of stream

96. *Alnus*
edge of stream

97. *Carpinus carolinianus* Walt.

98. *Eupatorium*

99. *Thuja canadensis* (L.) Carr.

23900. *Diospyros virginiana* L.
wet stream bed

01. *Sanguinaria canadensis*
rocky place

02. *Prunus americana*

tangled mass

erect, stinging,
- fruit translucent, fleshy.
tree 15 m. tall, 4 dm.
thick, bark detaching
in large pieces. fruit

- globose
- thicket-forming shrub
- 3 m. tall

- tree 6 m. tall,
erect herb up to 2 m. tall,
stem with solid pith,
mottled green without,
purplish at nodes,
- heads lavender

- tree 15 m. tall, symmetrical.
cones pendent. leaves
with a glaucous
band beneath on
either side of the midrib.
- tree 6 m. tall, bark
finely checked, leaves
glaucous beneath,
reticulate veined.

- leaves glaucous,
rhizome orange,
- fleshy.

- small thorny tree
fruit orange red, fleshy,
sour.

Aug. 20 - road up left fork
Ivy Creek, below Kimmoxas
gap, 1/2 mile west of Sullivan
P.O.,

roadside on steep slope

23903

04. *Cassia viciiflora*
common

05. *Digitaria*

06. *Digitaria*

07. *Digitaria*

08. *Digitaria*

09. *Eleusine indica* (L.) Gaertn.

10. *Ledum*

~~Culpeper~~

Aug. 20, - Culpeper, Culpeper Co.

11. *Polygonum pennsylvanicum*
very abundant in abandoned
garden

Aug. 27 - Holmes Run at Lee Blvd.,
2 1/2 mi. s. of w. of Falls Church, Fairfax Co.
90 m. alt.

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12. *Echinochloa*

in wet recently disturbed sandy soil

24150

Oenothera glaberrima
(Mx.) DC.

24153

Oenothera paniculata
(L.) DC.

24156

Oenothera stricta
(Pursh) DC.

24154

Oenothera ciliata
(Muhl.) DC.

tall,
wh. fls.
each
from a
plant.

spreading to erect tufts
mass coll., each panicle from a
different tuft.

Aug. 20 - road into Sabit Woods

Try

gap

P.O.

on
Sullivan

23903

04. Cas

05. Dis

06. Dis

07. Dis

08. Dis

09. Elel

10. Leo

Cal

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11. Poly

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ndoned

Aug. 2

2/13

Blair

Fairfax

90 m. alt.

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12. Echinochloa

in wet recently disturbed sandy soil

spreading
~~prostrate~~ tufts
flowers yellowerect
spreading
erect
spreading
spreadingherb 1 - 1.5 m. tall,
flowers pink.
mass coll. each
inflorescence from a
different plant.spreading to erect tufts
mass coll., each panicle from a
different tuft.

Aug. 20 - road up left fork
Ivy Creek, below Timmons
gap, 1/2 mile west of Sullivan
P.O.,

roadside on steep slope

23903

04. *Cassia nictitans*
common

05. *Digitaria*

06. *Digitaria*

07. *Digitaria*

08. *Digitaria*

09. *Eleusine indica* (L.) Gaertn.

10. *Ledum*

~~Culpeper~~

Aug. 20, - Culpeper, Culpeper Co.

11. *Polygonum pennsylvanicum*
very abundant in abandoned
garden

Aug. 27 - Holmes Run at Lee Blvd.
2 1/2 mi. S. of W. of Falls Church, Fairfax Co.
90 m. alt.

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12. *Echinochloa*

- in wet recently disturbed sandy soil

~~spreading~~ tufts
flowers yellow

- erect
- spreading
- erect
- spreading
- spreading

herb 1 - 1.5 m. tall,
flowers pink.
mass coll. each
inflorescence from a
different plant.

spreading to erect tufts
mass coll., each panicle from a
different tuft.

- 23913 *Echinochloa*
somewhat drier ground about
3-5 dm. higher than #23912
- 14 *Polygonum pennsylvanicum*
wet, recently disturbed sandy soil
- 15
wet recently disturbed sandy soil
- 16 *Cephalanthus occidentalis* L.
- 17 *Cephalanthus occidentalis* L.
- 18 *Cephalanthus occidentalis* L.
- 19 *Galium trifidum* var. *tinctorium*
- 20 *Scirpus atrovirens*
- 21
- 22 *Leersia oryzoides*
abundant, forming tangled masses
- 23 *Lobelia cardinalis*
rare
- 24
occasional
- 25
occasional
- 26 *Cuscuta*
common on Aster and various
other plants

- erect tufts, mass coll.
each ~~panicle~~ Taken from
a different tuft.
- erect plants, flowers
pale pink, mass coll. of
inflorescences each taken
from a different plant
- erect clump, panicles
nodding.
- shrub 3 m. tall, all
dup. from same plant.
- shrub 2 m. tall (all from same plant)
- same
- erect but supported by
weeds, flowers white
- erect, single culm (fruiting
infl. from different individuals)
- large clump, culms
ascending, panicles
stiff, purple.
- diffuse, tangled,
cutting the skin, spikelets
pale green.
- erect, corolla scarlet
- erect, flowers white
- erect, flowers white
- threadlike, golden, inflorescences
thicker, green, flowers white.

Aug. 27 - same

low muddy woods with
streams and wet places,
rather open but shaded

23927

abundant

28 *Ludwigia palustris*
in open muddy places29 *Lycopus*
along stream bank30 *Galium*
along stream bank, rare31 *Athyrium*
in deep bush32 *Elymus*
in brushy undergrowth

33

near stream

34 *Rudbeckia*
occasional35 *Labelis splendens* L.
rare36 *Lactuca*
occasional37 *Heracium*
occasional38 *Aralis spinosa*
edge of woods, common
locallyinfl. of many panicles in false
whorls, specimen from each
false whorl, upper leaf, lower leaf,
old wood.erect, culms solitary
or several together,
prostrate, bronze greenstolons under surface of
ground, flowers white.
~~prostrate~~ decumbentculms solitary or small
tufts of 3 or 4.
erect herb 1.5 m. tall.herb 1.5 m. tall, rays
greenish yellow, disk green
corolla scarlet.erect, lactiferous, flowers
violet.

erect, flowers yellow

leaves
flowers
herbsingle stemmed shrub
2 m. tall (others taller
& branched), old wood
very spiny, this year
growth with few spines,
leaves changing upward,
leaflets becoming larger.

- Sept. 2 - Bank of Potomac River
 just below Gravelly Point
 Airport, Alexandria 2 m.
 thickets along river
 23939 *Sicyos angulatus* L.

40 *Polymnia nudicalia* L.

- Sept. 2 - Westgrove, 3 mi. S. of
 Alexandria, flats along
 Potomac River, Fairfax Co.
 along path in low wet woods 1 m.

41

- Sept. 2 - Accotink, 10 mi. S.W.
 of Alexandria, Fairfax Co. 5 m.
 roadside

42 *Triodia flava*
 common with the ordinary purple
 form (#23943) for about 1 mile
 along ~~the~~ highway

43 *Triodia flava*
 common, growing with
 green form (#23942)

herbaceous vine tangled
 in bushes and trees,
 flowers white, fruits green,
 fleshy, with stiff white hairs.

culms spreading, not
 especially tufted. Spikes
 conspicuously spirally
 disposed.

erect clump, panicle
 diffuse, ~~branches~~ drooping,
 dull ^{light} green.

erect clump, panicle
 diffuse, ~~branches~~ drooping
 deep dull purple.

Sept. 2 - woods w. of
Gunston,

Fairfax Co.

mixed deciduous woods 5-10 m
on flat ground

23944

Panicum

45 *Lobelia puberula* Michx.
roadside

46 *Lycopodium obscurum*
common in shuff under trees

47 ~~*Rhexia*~~ *Rhexia*

roadside, shaded

48 *Fagus grandifolia*
common in woods

Sept. 2 - Gunston

Fairfax Co.

open ground
49 *Penilla frutescens* var. *cuspa*
gregarious

5-12 m

Sept. 2, e. of Gunston, low
lands above Potomac. Fairfax Co.
~~50~~ flat river terrace, partly
wooded

50 *Eragrostis spectabilis*
colony in roadbed

erect, flowers violet.

erect

flowers rose-color

tree 20 m. tall, trunk
5 dm. thick, gray, branches
drooping. Masses coll.
of twigs from many
trees, one from each tree,
to show variation
in pubescence. (fruiting
twigs all from ~~the~~ trees as before)

erect, not yet in bloom,
somewhat unpleasantly
aromatic. spikes
4 sided, bracts imbricate.

tufts, culms spreading,
plant stiff.

23,951 *Fagus grandifolia* var. *caroliniana*
edge of bluff over river

~~51 He~~
52 *Hedera pulegioides*

53 *Celtis occidentalis*
several small trees
on edge of bluff.

near Potomac River at
Sept. 2 - Little Hunting Creek
E. of Mount Vernon,
~~Potomac River~~, 7 km
S. of Alexandria, Fairfax Co.
wooded peninsula surround-
ed by estuarine marsh.

54 *Cucurbita foetidissima* HBK.
grassy clearing, probably
introduced as other
introduced plants such
as Citrullus, tomato, etc.
nearby. several plants
seen.

55 *Mitchella repens* L.
open woods, slightly
higher ground than
surrounding country

56 *Galium triflorum*
open woods

57 *Polymnia nudiflora* L.
thick woods, small colony

tree 8 m. tall, stem thick,
branches drooping.
leaves firm.

plant with strong
pennyroyal odor, flowers
~~purple~~ violet

small tree 4 m. tall,
trunk 8 cm. thick,
gray, fruit dull copper-
color, sweetish but
not much pulp.

prostrate vine, herbage
ill-scented, rough.
fruit very young, somewhat
longer than thick, 3 celled,
striped light green on
dark green - plants
almost sterile.

prostrate, fruit scarlet.
(fruit terminal, or falsely
axillary)

plant prostrate to
slightly ascending.
sap yellow

- 23958 *Botrychium*
small colony on friable
silt bench ~~as just above~~
at edge of river estuary,
being undercut and
crumbling, bushy woods.

✓ Sept. 2 Hunting Creek ^{Estuary} just
south of Alexandria, Fairfax Co.
tidal marsh

- 59 *Physocarpus opulifolius*

- (60 *Acnida cannabina* ♀
61 " " ♂
abundant in marsh

- 62 *Echinochloa walteri*
occasional

- 63 *Echinochloa walteri*
occasional

64

- 65 *Cuscuta*
parasitic on *Polygonum*,
Impatiens & other plants.

- 66 *Gaura*
higher ground, roadside,
only one seen.

fertile frond erect.
roots fleshy

bush 2.5 m. tall, many
stemmed, branched.
erect herbs up to 2 m. tall,
apparently strictly dicot-
ylous, stems hollowed
out by insect larvae,
filled with water.
tall, weak-stemmed,
spikelets green (with #23962)
same but ~~spikelets~~ glumes
deep purple and green.
(not always same amount
of purple, some all green)
tall, infls. at most
nodes, spikelets purple.
stem filiform, yellow,
infls. thicker, greenish,
fls. white.
diffusely branched,
flowers ~~white~~ pinkish.

at
nodes

Sept. 3 - Sleepy Hollow, $\frac{1}{2}$ mi.
S. of Fall Church, Fairfax Co.
moist ground in yard

23967

68 *Solanum nigrum* L.

69 *Polygonum hydropiperoides*

70 *Bidens bipinnata* L.

with
J.O.T.

Sept. 8 - same

71 *Polyzala verticillata*

brushy old field, low ground

Sept. 8 - along Turkeycock
Run, $\frac{1}{2}$ mi. N. of Fairland,
6 mi. W. of Alexandria,
Fairfax Co.

70-80 m

in and around boggy place

72 *Lechea*

flat sterile ^{open} ground

73 *Hypericum gentianoides*

flat sterile open ground

74 *Bulbostylis capillaris* (L.) A.

flat sterile open ground

75 *Lespedeza repens* (L.) Bail.

flor. of old abandoned gravel pit

76 *Rubus*

thicket on floor of old gravel pit

77 *Eupatorium*

flor. of old gravel pit

78 *Lycopodium obscurum*

woods on small slope,
small colony.

fls. white, fruits green.
more or less erect,
spikes rose-pink, pendent.
rays yellow

flowers purplish.

~~*Magnolia bog* (see Fairland, Fairfax Co.)~~

basal rosette prostrate.
scape erect.
erect, ~~gray~~ red.

small tufts

prostrate, flower
pinkish purple with
banner deep purple.
canes erect, leaves
whitish beneath.
erect, flowers grayish-
white.

- 23979 *Verbascum thapsus* L.
open sterile ground
- 80 *Viburnum*
gravelly sphagnum bog, open woods. 100
- 81 *Ludwigia palustris*
open streamlet in sphagnum bog
- 82 *Botrychium dissectum*
wooded bottom - land near stream
only one plant seen (with #23983)
- 83 *Botrychium dissectum* f. *obliquum*
wooded bottom land near stream,
(with #23992)
- 84 *Phlox maculata*
rare in wet gravelly rivulet
- 85 *Dryopteris noveboracensis*
large colony on wooded
bottom - land near stream
- 86 *Cyperus*
in mud of marsh in bottom
of old gravel pit
- 87 *Magnolia virginiana*
abundant in swampy bottom-land
- 88 *Viola laxa*
wooded bottom-land
- 89 *Lycopodium*
muddy spots in ~~swampy~~
~~bottom~~ old gravel pit.
- 90 *Cyperus strigosus* L.
muddy place in old gravel pit
- 91 *Rhynchospora*
muddy place in old gravel pit
- 92 *Lycopodium*
muddy place in old gravel pit

erect, flowers yellow

fruit greenish-white. shrub
1 m. tall.

prostrate, ~~barb~~ ~~orange~~
sterile

all plants seen sterile

rhizome prostrate,
shallowly buried.

small colony

tree 6 m. tall, leaves
white beneath
spreading, prostrate
clump, spikelets
arranged spirally.
leaves purple beneath,
flowers white.

solitary culms,
spikelets green
more or less caespitose,
weak (note roots of flower heads)
prostrate stems with lvs.
patent, more or less distichous erect
stems with lvs. appressed, not distichous.

- 27993 *Diiodia teres* Walt.
 4 abundant on open sterile
 flat ground
 Sept. 9 ^{Potomac River at} Little Hunting Creek,
 west of Mount Vernon, km.
 e. of Alexandria, Fairfax Co.
 dry, sterile gravelly soil
 with rubbish dumped
 here and there.

3 94 *Thymophylla*
 occasional

4 95 *Diiodia teres* Walt.
 common in patches

4 96 *Lespedeza*
 occasional

2 97 *Rosa*
 edge of thicket

4 98 *Lymphocarpus orbiculatus* Moench
 common in openings
 and edges of thickets

1 99 *Solanum lycopersicon* L.
 several plants in old rubbish pile.

24000 *Lespedeza*
 5 abundant in roadside patches

3 01 *Citrullus vulgaris*
 several plants on old
 rubbish heap

erect, fls. pink-lavender

prostrate lower
 branches forming long
 radiating vines,
 flowers dull pale salmon
 color with keel spirally
 curved, pods terete.
 fls. lavender-pink.

flower deep maroon-purple.

mound-shaped bush
 of arching canes, 2 m. tall.
 fruits orange in
 erect clusters.
 shrub 1 m. tall, fruits
 immature

fruits red.

flowers deep purple
 distally.

several prostrate branching
 stems from central root. flowers
 greenish yellow. somewhat immature
 fruit, ellipsoidal, from another plant.

✓ Sept. 10 - Lee Blvd. 0.6 mi. s. of
Falls Church, Fairfax Co.
roadside, edge of cultivated
fields.

24002

Polygonum pennsylvanicum L.
wet ground, edge of field,
abundant

✓ 03

Bidens
abundant, forming large
patches of bright yellow

3 04

Cuscuta
abundantly, parasitizing
Lespedeza and incidentally
other weeds on roadside

Sept. 15 - east approach to
Swift Run Gap, just below
Lydia,
roadside in disturbed soil

850 ft

✓ 05

Lespedeza stipulacea

plants from simple
to much branched
at base, flowers
pink, occasionally
quite pale. Mass
coll. of an inflorescence
from each of many
separate individuals.
erect, rays bright
chrome yellow, disk
darker. Plants varying
in size from small
ones a few cm. tall
with one or 2 heads to
large ones a meter tall
with many heads.
stems orange-yellow,
infl green. thicker,
flowers white.

spreading to ascending,
dense clump of separate
plants.

Sept. 15 - 0.8 mi. s. of
Swift Run Gap, along Skyline
Drive

old field with thickets 2500'

24006

Paronychia

disturbed soil

2 07

Euphorbia maculata

disturbed soil

2 08

Aster

low thicket

4 09

Agastache

low thicket

2 10

~~*Polypodium*~~

low thicket

11

Solidago puberula ^{"harmonia"}

weedy field

Sept. 15 - ravine below
Pinefield Leanto, headwaters
of Ivy Creek.

~~thinly~~ thinly wooded 2400'

rocky slopes - quartzite
chips and blocks.

2 12

Polypodium vulgare L.

small colony in broken
rock flat.

2 13

Mnottia uniflora L.

slope under tree

2 14

Gaultheria procumbens L.

very common on slopes

1 15

Vaccinium

steep brushy slope, apparently
burned a few years ago

rays lavender,
disk yellow, turning red.
herb up to 2 m. tall,
stems square, fls.

lavender
fls. greenish white
plant rather grayish
green, fls. yellow.

rhizomes matted in
crevices.

clumps, already dead.

rhizomes subterranean,
fruit scarlet with strong
wintergreen flavor.
plants 1 dm. tall.

24016

Epigaea repens

small colonies seen on
brushy slope, burned a
few years ago.

17

Challorchiza odoratissima Nutt.
in deep dead leaves under
overhanging boulder

4

18 *Smilax rotundifolia*

near bottom of ravine

7

19 *Dioscorea quaternata* var. *glauca*
steep bare slope in bottom
of ravine

1

20 *Campanula flexuosa*
steep bare slope at bottom
of ravine

21

Aster

steep bare slope at bottom of
ravine

1

22 *Corallorhiza odoratissima* Nutt.
steep bare slope at bottom
of ravine

prostrate, small patches

stems bronze, ~~white~~ white
when covered by leaves, fls.
bronze, lip not lobed,
whitish, somewhat
spotted with purple,
margins ~~erose~~ ^{purplish} involute
blade with 3 longitudinal
plications, these inconspicuous
rhizome fleshy, white,
intricately branched.
rhizome crooked, knotted,
odorless, plant a
branching liana, green,
fruit green.
leaves glaucous beneath.

fls. blue-violet

~~fls.~~ ^{ray} lavender

~~st~~ rhizome white, fleshy,
intricately branched, brittle,
stem and flowers bronzed, lip
white with purple spots & margin,
orbicular, margins erose, involute,
3 conspicuous longitudinal plications in center.

- 24023 *Rudbeckia laciniata*
small opening flat gravelly stream-bed
in bottom of ravine
- 24 *Carex*
small opening in flat gravelly stream-bed
in bottom of ravine
- 25 *Polygonum*
same small colony
- 26 *Bidens frondosa*
same one plant only seen
- 27 *Erechtites valerianifolia*
same 4 plants seen
- 28 *Menziesia pilosa*
slope
- 29 *Prenanthes altissima* L.
rare on slope

Sept. 16 - ~~same~~ Pinefield, Leanto,

- 24024
30 *Spiranthes cernua*
grassy trailside on brushy
slope
- 31 *Botrychium dissectum* f. ~~oblongum~~
grassy trailside on brushy
slope.
- 32 *Hamamelis virginiana*
edge of clearing
- 33 *Toiopsis flava* (L.)
edge of clearing
- 34 *Triostema aurantiacum*
clearing

erect herb 2 m. tall,
rays yellow, disk green.
clumps, culms weak,
spikes pendent.

fls. greenish

erect,

fls. cream-white.

bush 1 m. tall, leaves
slightly glaucous
beneath

fls. pendent, greenish
white.

odorless, cream-white,
fls. 3-ranked, lip ovate,
recurved, margin
crispate,

bush 1.5 m. tall, sparingly
in flower, petals yellow.
caespitose, culms erect,
panicles with cernuous
branches, purple.
caespitose herb, 1 m. tall,
fruit orange

Sept. 16 - Brown Mt. Parking Overlook,

roadside cleared in brushy woods
24035 *Crataegus*

36 *Coreopsis verticillata*

37 *Phytolacca americana* L.

38 Sept. 16 - Ridge below Brown Mt. Overlook

ridge with low, brushy woods and patches
of scrub oak, steep slopes with soil mixed
with broken quartzite

24038 *Polygonatum biflorum*

rounded ridge top, sparse woods

39 *Angelica*

same

40 *Opuntia arbutifolia*, var. *atropurpurea* (Britt.) Rob.

same, occasional

41 *Desmodium nudiflorum*

same, small colony

42

same, rare

43 *Solidago caesia* L.

same, occasional

44 *Chimaphila maculata*

same, rare, at base of trees

45 *Xerophyllum asphodelioides*
rare, brushy rocky slope

brushy, excessively thorny
tree 4 m. tall, fruits greenish,
caespitose, underground
shoots bright greenish yellow,
fls. bright yellow.
spreading to erect, suc-
culent herb up to 1 m. tall,
fls. white, fruit immatures

rhizome white fleshy; fruit blue, fleshy

fruit with oily odor when broken

herb 1 m. tall, fruits sweet, but very
astringent, purplish-black.

scapes erect or arching, leaves somewhat
glaucous beneath, fruit readily disarticu-
lating.

fruit with oily medicinal odor when
broken

stems somewhat glaucous, heads yellow.

leaves dark green with white along veins.

fruit green
sterile

- 240 46 *Rosa*
slope in sparse woods
- 5 47 *Aster*
same
- 3 48 *Pseudotaenidia montana* Mack.
same
- 4 49 *Asclepias quadrifolia*
sum, rocky place
- 1 50 *Zizia aurea*
same
- 4 51 *Hedyotis*
same, mossy bank
- 2 52 *Solidago*
same
- 1 53 *Solidago*
same
- 2 54 *Solidago arguta*
same
- 7 55 *Galium latifolium* Michx.
same
- 3 56 *Coralorrhiza odoratissima*
same, in deep dead leaves, many
plants not emerging above the leaves
small colony with many individuals

shrub 0.8 m. tall, fruit red.

rays straw white, involueral bracts
appearing ^{somewhat} fleshy.
fruit with sharp oily odor when broken
leaves slightly glaucous beneath
fruit erect

fruit with sharp oily odor when broken

small tufts, and single plants

heads yellow

heads yellow

heads yellow

tufts, roots yellow

base of stem enlarged,
rhizome white, branched, brittle
plants buried in leaves much distorted, white
stems emerged, erect, branched. Petals
deep bronze, lip oval, not lobed, white
somewhat spotted with purple, palate
with two divergent callosities, blade
with 3 faint plications, margin erose
crepate involute.

Sept. 16, Saddle between Brown Mt.
and Brown Mt. Overlook

Open wooded ridge with rounded ~~250~~ ft
top.

24057 *Crataegus*

small colony of three or four
individuals on ridge top

58 *Silene stellata*

~~Caespitose~~ occasional

59 *Chenopodium boseii*

~~restricted~~
small colony with numerous
individuals on ridge top.

Sept. 16, Northeast Ridge of ~~Rocky~~ Mt.
quartzite talus slopes, usually
with soil, thin woods and patches
of scrub oak

24060 *Monotropa uniflora*

bare earth below trail

61 *Pryopteris disjuncta* (Rupr.) Morton
broken up, restricted colony
with numerous individuals

62 *Angelica*

brushy slope

63 *Andropogon scoparius*

Common on ^{open} rock outcrop.

64 *Vaccinium*

edge of brush on rock outcrop

65 *Vaccinium*

open rock outcrop

small tree, 3 m. tall, bark gray,
fruit red.

Caespitose herb with deep tap root,
petals white, deeply lacinate.
most plants drying up.

dense clumps, erect, whole plant white,
flowers odorless

stems bronzed, leaves slightly
glaucous beneath, fruits bronze,
only color when broken

tall individuals not common.
fruit blue, sweet, strong but not
unpleasant flavor

2-3 dm. tall, mostly not fruiting.
fruit blue with unpleasant flavor

174

1945 - Virginia

24066

Desmodium

rare on open rock outcrops

67

Quercus

brushy slope

Sept. 16, Top of *Rocky Mt.*

24068

Andropogon scoparius

open ridge

69

Aureolaria pedicularia

open ridge, rocky trail

70

*Pinus rigida*open ridge among enormous
rock fragments

71

Pinus pungens

same

72

Pinus virginiana

same

Sept 16, North slope of *Brown Mt.*

quartzite talus, brushy woods

24073

Menziesia pilosa

74

Hemamelis virginiana

common

75

Menziesia pilosa

76

Xerophyllum asphodelioides

fairly common

77

*Diervilla lonicera*Plants growing on open patch of
broken rock

Shen. Nat. Park

175

Plant erect

Small sterile tree 5m. tall

plants ascending, sweet scented, fls.
yellow.
Scrubby tree 5m. tall.

scrubby tree 5m. tall

same

bush 1.5 m. tall, leaves slightly
glaucous beneathbush 1m. tall, fls. yellow - very
few bushes seen with flowersbush 1.5 m. tall, leaves slightly
glaucous beneath

Decapitose, old fruiting stalk erect

shrub up to 1m. tall, mostly in fruit
but a few yellow flowers on some stems

1945 - Virginia

Sept. 16, Broad flat bench on North
slope of Brown Hill.

sandy flat and gentle slopes with abundant *Yucca elata*, some other shrubs, scattered young pines, *Xerophylla* very common.

- 24078 *Epigaea repens*
sandy slope, very small colony
- 79 *Solidago odora*
sandy slope, rare
- 80 *Xerophyllum asphodelioides*
very common
- 81 *Lycopodium complanatum*
small colony on flat under
bush
- 82 *Melampyrum lineare* *pectinatum*
occasional on flat
- 83 *Gäthura procumbens*
common

Sept. 16, Ridge running North from
"Rock Castle"

Quartzite ridge, wooded but with
open outcrops

- 24084 *Aureolaria*
occasional in woods
- 85 *Viola*
bare, mossy sloping rock outcrops

Sept. 17 - Pinefield, Leanto.

rocky stream-bed

- 86 *Chelone glabra*

prostrate, mat-like.

Culspitose, ~~and~~ involucre yellow

Caespitose, old fruiting stalks erect
rhizomes deeply buried, plants
sterile.

flowers yellowish-white

Rhizome buried, fruits pendant, red.

ascending, flowers yellow

One open flower seen, violet

caespitose herb 1.3 m. tall fls.
white with purplish orbicels.

- 24087 *Lactuca*
common in clearing
88 *Chenopodium*
occasional in clearing
89 *Lespedeza*
roadside

Sept. 17 - just east of
Washington, Rappahannock Co. Va.
~~common~~ along pasture fence, bottom

- 90 *Campsis radicans*
91 *Diospyros virginiana*

Sept. 21 - near western tip of
Seashore State Park, Cape Henry,
Princess Anne Co. Va.
sand flat with scrub
oaks and other shrubby
trees 1 m.

- 92 *Galium hispidulum* Michx.
under trees, common

- 93 *Didymopanax bipinnatum* L.

- roadside, small colony
94 *Lespedeza stipulacea*
abundant along roadside

45

Sept. 21 - 1 1/2 mi. e.s.e. of western
tip of Seashore State Park, Cape
Henry, Princess Anne Co. Va. 0 m.
~~near~~ edge of swamp along
highway.

some plants up to 3 m.
tall.
herb up to 1 m. tall,
larger ones branched.
prostrate, mat-forming.

200 m.

of small valley.

vine climbing on fence,
fls. brick red.
tree 8 m. tall, leaves glaucous
beneath, fruit not quite
mature.

plant erect,
roots and rhizomes yellow,
fruit lead-black, fleshy.
fls. yellow

forming dense mat-like
growth.

24095

Diodia teres virginiana L.
low sandy roadside

96 *Scirpus rubricornis* Fern (S. ~~trispicatus~~)
edge of water, sandy mud bottom

97 *Juncus canadensis* J. Gay det. 77A.
edge of water, sandy mud bottom

98 *Cephalanthus occidentalis*
~~and~~ in standing water

99 *Hypericum gentianoides*
sandy roadside, uncommon

24100 *Lerpedia striata*
sandy roadside

Sept. 22 - near western tip
of ~~peninsula~~ Seashore State Park,
Cape Henry, Princess Anne Co.
coastal scrub on sand 0-4 m.
dunes and flats.

01 *Paspalum*
grassy roadside, common

02 *Rudbeckia hirta*
grassy roadside, only one seen

03 *Diodia teres* Walt
dunes above beach, common

04 *Zostera marina* L.
shallow sandy bottom
(brought in by fishermen with
gill net)

prostrate, flowers of the
palest lavender, fruits
even in axils well buried
in sand.

dense clump, culms erect,
panicles pendent.

caespitose, culms spreading,
terete, weak.

shrub 3 m. tall, branches
with 2, 3, or 4 leaves at a node
on same plant, uppermost
leading shoot flowering,
flowers white.

prostrate, ~~weak~~

spreading tufts

rays yellow, disk dark
brown

flowers lavender

sterile

- 24105 *Setaria viridis*
roadside
- 06 *Solidago sempervirens*
wet depressions
- 07 *Salix longipes* var. *wardii* (Bebb.) Schneid.
wet depressions det. CRB
- 08 *Solidago odorata*
shaded sandy slopes, common
- 09 *Bulbostylis capillaris*
wet sandy depression, common
- 10 *Solidago minor*
colonies in open sandy places
- 11 *Lonicera sempervirens*
occasional in edges of thickets
- 12 *Polygonella articulata*
small colony on sandy roadside
- 13 *Cassia nictitans* L. var. *nictitans*
roadside, hard sandy ground
- 14 *Graphalium* ^{*obtusifolium* L.} ~~*polyccephalum*~~
roadside, one seen.
- 15 *Aster*
common locally, roadsides and open places
- 16 *Polypremum procumbens* L.
~~seen~~ occasional, open roadside
- 17 *Quercus marilandica*
one seen
- 17 *Lespedeza cuneifolia*
one seen, roadside

tufts, culms spreading at base.
erect, leaves thick, flowers yellow.
shrub 1 m. tall, leaves glaucous beneath.
caespitose, heads and involucre golden yellow.

locally.

rhizomes buried, heads yellow, corymbose.
woody twiner, leaves glaucous beneath, flowers dull crimson without orange within, fruit scarlet (rarely flowering now)
erect, ^{woody stem} fleshy green, turning reddish, ^{not glaucous} flowers pinkish white.
prostrate from tap root, leaves sensitive, petals yellow, anthers pale purplish.
erect. [pods stiffly erect.

erect, branched, up to 1 m. tall, leaves green, rays white, disk yellow.
prostrate

shrub 2.5 m. tall, somewhat grayish green.
erect.

- 24119 *Paspalum*
one clump seen, edge of thicket
- 20 *Solanum nigrum* L.
~~only one seen~~ ^{rare}, roadside
- 21 *Triodia flavall* (L.) Smyth
occasional along roads
- 22
roadsides, common
- 23 *Digitaria*
occasional, with #24124
- 24 *Digitaria*
common, with #24123
- 25 ~~Eleusine~~ *Eragrostis spectabilis*
common in sandy open places
- 26 ~~Eleusine~~ *Eleusine indica* (L.) Gaertn.
common in roadbed
- 27 *Pyrus angustifolius*
2 plants seen, edge of thicket
- 28
small colony in edge of thicket
- 29 *Erioseolus stimulosus*
occasional on landward
side of sand dunes
- 30 *Carex kobomugi* Ohwi
abundant on sand slopes
- 31 *Helianthemum canadense*
rare on sandy slope in open
- Sept. 23 - same
- 32 *Oenothera humifusa*
bushy dunes

- erect clump, older
culms over 1 m. tall.
fruits green, turning
black, fls. white
- erect, in small tufts,
panicle drooping, purple.
culms ascending, spikes
purplish,
erect, hairy
- erect, almost smooth.
- panicle purple
- spreading tufts
- small shrubs 1.5 m. tall,
sterile.
rays yellow, plant 1 m.
tall
- prostrate, several
stems from deep root;
stinging hairs.
extensively ramifying
below surface of sand,
leaves and spikes
emerging.
- flowers lemon yellow,
leaves gray, entire or almost
so.

24133

Oenothera humifusa
bushy sand dunes

34 *Cyperus filiculmis*
common in open sand

det. F.H.

35 *Solidago*
only one seen.

36 *Diodia virginiana* L.
not common in sand

37 *Eupatorium serotinum* Michx.
under bush of thicket

det. F.H.

38 *Foeniculum vulgare* L.
roadside, not common.

39 *Eragrostis pectinaceum*
colony near parking area

40 *Cyperus retrofractus* var. *cylindricus*
low wet sandy place, common

41 *Cyperus alomarginatus* Mart. & Schrad.
uncommon, low wet sandy place

42 *Cyperus lancastriensis* Porter
~~uncommon~~ in low wet sandy place

det. F.H.

43 *Cyperus iria* L.
common in low wet sandy place

det. F.H.

44 *Ipomoea*
small colony ~~along~~ near parking place

45 *Ipomoea*
small colony near parking place

46 *Citrullus vulgaris*
one extensive plant near picnic place

same - mixed woods, mainly oak-hickory, on sand slopes

flowers yellow, petals
obcordate, leaves gray,
toothed.

small spreading tufts

erect, fls. yellow

prostrate, fruit white
and green striped.

decumbent herb, 1 m.

or more long, fls. white.

herb 1.5 m. tall, highly
aromatic, flowers yellow.

spreading tufts

culms spreading to erect

(*C. sabulosus* M. & S.)

same as
24133
det. F.H.

42a *Cyperus odoratus*
42b *Cyperus stigosus*

culms spreading

apparently annual,
twining on weeds, flowers
blue,

apparently annual, twining
on weeds, flowers white, small.
prostrate, flowers
lemon yellow.

- 24147 *Paspalum*
steep sand slope, common
- 48 *Hieracium gonorii* L. 7/17
steep sand slope, occasional
- 49 *Cyperus plukenetii* Fern. 7/17
steep sand slope, occasional
- 50 *Solidago nemoralis* var. *haleanthera* Gay
steep sand slope, rare
- 51 *Gnaphalium obtusifolium* L.
~~steep~~ sand slope, occasional
- 52 *Solidago altissima*
steep sand slope, occasional
- same - open forest of
Pinus taeda, along road.
- 53 *Desmodium paniculatum* (L.) DC. det. L. H. L.
- 54 *Desmodium ciliare* (Muhl.) DC. det. L. H. L.
- 55 *Desmodium glabellum* (Mx.) DC. det. L. H. L.
- 56 *Desmodium strictum* (Pursh) DC. det. L. H. L.
- 57 *Cassia nictitans* var. *hebecarpa* Fern.
abundant locally
- 58 *Cassia nictitans* var. *hebecarpa* Fern.
occasional (not far from # 24158)
- 59 *Paspalum*
occasional
- 60 *Cassia nictitans* var. *nictitans*
common (wetter place than
same, wet ~~flat~~ depressions
along railroad right-of-way.
- 61 *Juncus ~~scirpoides~~ f. ~~sp.~~*
common
- 62 *Cyperus polytachyos* Rottb.
common locally in drying pool

erect clumps
flowers yellow

fls. yellow

yellow, mostly
in bloom yet.

pitose, stems
cading to erect.

diffuse

to almost prostrate

ns + spreading

et, diffusely
nishing, fls. yellow.

caespitose, terete.

spreading tufts.

Fernald doesn't mention
pilose stems and recline
stem strongly so.

typical form needs a name
but check Cham. composita (Pell.) & Macra

C. nict.

- 29147 *Paspalum*
steep sand slope, common
- 48 *Hieracium gonovii* L. 707
steep sand slope, occasional
- 49 *Cyperus plukenetii* Fern. det. 870
steep sand slope, occasional
- 50 *Solidago nemoralis* var. *halimifolia* Engelm.
steep sand slope
- 51 *Gnaphalium obtusifolium*
~~steep~~ sand slope
- 52 *Solidago serotina*
steep sand slope
- same - open fr.
Pinus taeda, etc.
- 53 *Desmodium paniculatum*
- 54 *Desmodium ciliatum*
- 55 *Desmodium glaberrimum*
- 56 *Desmodium strictum*
- 57 *Cassia nictitans*
abundant local
- 58 *Cassia nictitans*
occasional (not f)
- 59 *Paspalum*
occasional
- 60 *Cassia nictitans*
common (wetter place than 29157 & 8)
- same, wet ~~flat~~ depressions
along railroad right-of-way.
- 61 *Juncus ~~scirpoides~~ ~~sp.~~*
common
- 62 *Cyperus polystachyus* Rottb.
common locally in drying pool

erect clumps

flowers yellow

fls. yellow

fls. yellow, mostly
not in bloom yet.caespitose, stems
spreading to erect.

same

same

same

erect, diffuse

erect to almost prostrate

culms spreading

erect, diffusely
branching, fls. yellow.

caespitose, terete.

spreading tufts.

- 24147 *Paspalum*
steep sand slope, common
- 48 *Hieracium gronovii* L. 7117
steep sand slope, occasional
- 49 *Cyperus plukenetii* Fern. det. 7117
steep sand slope, occasional
- 50 *Solidago nemoralis* var. *heliantha* Fern. 7117
steep sand slope, rare
- 51 *Gnaphalium obtusifolium* L.
~~steep~~ sand slope, occasional
- 52 *Solidago altissima*
steep sand slope, occasional

same - open forest of
Pinus taeda, along road.

- 53 *Desmodium paniculatum* (L.) DC. det. B. Sch.
- 54 *Desmodium ciliare* (Muhl.) DC. det. B. Sch.
- 55 *Desmodium glabellum* (Mx.) DC. det. B. Sch.
- 56 *Desmodium strictum* (Pursh) DC. det. B. Sch.
- 57 *Cassia nictitans* var. *hebecarpa* Fern.
abundant locally
- 58 *Cassia nictitans* var. *hebecarpa* Fern.
occasional (not far from # 24158)
- 59 *Paspalum*
occasional
- 60 *Cassia nictitans* var. *nictitans*
common (wetter place than # 24157 & 8)
- same, wet ~~flat~~ depressions
along railroad right-of-way.
- 61 *Juncus ~~scirpoides~~ f. ~~sp.~~*
common
- 62 *Cyperus polytachyos* Rottb.
common locally in drying pool

erect clumps

flowers yellow

fls. yellow

fls. yellow, mostly
not in bloom yet.

caespitose, stems
spreading to erect.

same

same

same

erect, diffuse

erect to almost prostrate

culms spreading

erect, diffusely
branching, fls. yellow.

caespitose, terete.

spreading tufts.

- 24 163 *Trinena squarrosa*
occasional in drying pool
- 64 *Rotala ramosa*
occasional in drying pool
- 65
clump in drying pool
- 66 *Panicum*
common in drying pool
- 67 *Polygonum*
in pool of water
- 68 *Diodia virginiana* L.
in pool of water
- 69 *Acyron hypericoides* L. det. R. M. S.
rare
same - low wet place
- 70 *Panicum*
common
- 71 *Panicum*
uncommon
- 72
common locally
- 73 *Lespedeza procumbens* det. J. H.
along road, occasional
same - low oak woods
on sand dunes
- 74 *Longchastrium nutans*
along road
- 75 *Graphalium obtusifolium*
rare
- 76 *Galium pilosum*
one plant seen

spreading small tufts,
heads green
plant tinged with red.

spreading.

fls. white.

fls. white, ^{sparsely} lobes pilose

low bush

spreading tufts.

spreading tufts.

culms ascending

culms erect, panicle
pendant.

- 24177 *Hieracium gronovii* L. 797.
rare, one plant seen

same - Pinus taeda
woods, along road

- 78 *Lespedeza cuneifolia*
small colony

- 79 *Strophostyles helvola*
small colony seen

Sept. 24 - same, low oak woods
on sand dunes

- 80 *Diodia teres* Walt.
sandy openings

- 81 *Polygonum dumetorum*
twining on brush

- 82 *Galium hispidulum* Michx.
steep sandy slopes

Sept. 24 - about a mile west of
east end of cut-off highway,
Seashore State Park, Cape Henry,
Taxodium - Nyssa swamp
with black water and
sandy flats adjoining it.

- 83 *Andropogon*
very abundant along
roadside, (with #24184)

- 84 *Andropogon*
occasional along roadside
(with #24183), even in edge of water

- 85 *Solidago* *altissima*
small colony along roadside

flower yellow.

fls. white with purplish
keel, plants erect,
wingate.
fls. pink, keel
purple, twisted.

wiry, fls. lavender

erect clumps, stems
glaucous (not intergrading
with #24184, not so tall)
erect clumps, stems green,
(not intergrading with #24183,
taller, tops nodding)
erect, heads yellow

24136
" *Nyssa sylvatica* var. *biflora* (Wilt.) Bang.
one of dominant trees in
swamp, growing in water

- 87 *Panicum*
abundant on small sand
bank along road
- 88 *Ludwigia alternifolia* L.
edge of water
- 89 *Smilax rotundifolia*
edge of water
- 90 *Mitchella repens* L.
sand flats and to edge
of water
- 91 *Lyonia ligustrina*
in water
- 92 *Paspalum*
near edge of water, common
- 93 *Utricularia*
in water, submerged
- 94 *Lyonia ligustrina*
just above edge of water
- 95 *Berchemia scandens*
thicket at edge of water
- 96 *Solidago fistulosa*
in edge of water
- 97
growing in water
- 98 *Fagus*
sand near
edge of water

tree 15 m. tall, 3 dm. thick,
swollen at base, (others
much larger). these
specimens taken from
basal shoots, fruit
black, fleshy.
culms erect to ascending
from basal tuft of leaves

erect, suffrutescent
- 1.5 m. tall, stem ^{tending to be} spongy at base.
woody vine climbing
many feet into trees,
fruit not quite ripe,
on upper branches.
prostrate, mat forming,
fruit scarlet.

bush 2 m. tall

tufts, culms spreading

stems up to 1 m. long,
sparsely-branched
shrub 1.5 m. tall

woody vine tangled in thicket
sterile.
erect, fls. yellow.
mostly sterile.

tree 10 m. tall, bark
gray even to twigs.

196

1945 - Virginia

24199

Lycopus

edge of water, common

24200

Bidens discoides (T. G.) Britt.

edge of water, common

Sept. 24 - cut off highway
about middle, Leashore
State Park, Cape Henry,
roadside in cypress swamp

01 *Polygonum pennsylvanicum*
occasional02 *Erechtites hieracifolia*
common

Sept. 25 - western edge of
Leashore State Park, Cape Henry,
Princess Anne Co. sand flats

03 *Carex longii*

pine forest, rare

04 *Galactia regularis*

pine forest, common everywhere

05 *Gelsemium sempervirens*

pine forest, common

06 *Chrysopsis graminifolia*

pine forest, common

07 *Opuntia*common on
brushy coastal sand dunes

Sept. 25 - Norfolk, Norfolk Co.

08 *Atriplex*

weedy places on waterfront

Cape Henry State Park

Princess Anne Co. 197

long stolons, some bearing
fusiform enlargements, fls. white
erect, brittle, fls. yellow

erect, flowers pink

fls. yellowish

prostrate, dull green

fruits on short arching
branches, sterile branches
prostrate, up to several
m. long, straight.
fruit compressed.

flowers bright yellow

~~erect~~ prostrate from
tuberous root, joints
lying flat, fruits turning
red.

dull green, recumbent
much branched herb 1-1.5 m. long.

#

Sept. 29 - Sleepy Hollow 1 mi.
S. of Falls Church, Fairfax Co.
wooded bottom land 30 m.

24209

Callitriche

damp ~~wet~~ ground in small garden
partly shaded.

✓ Oct. 14, same

10 Botrychium dissectum L.
weedy woods, occasional

11 Polygonum pennsylvanicum
disturbed ground in ^{old} pasture
and recent clearing nearby

12 Polygonum pennsylvanicum
cultivated ground

13 Polygonum
cultivated ground

Oct 14 - bank of slough just
across from Washington Island,
near end of Memorial Bridge,
Arlington, Va. 3 m.

narrow strip of woods, mostly Acer.

14 Liriodendron

climbing extensively on bushes

15 Acer negundo L.

16 Acer negundo L.

17 Acer saccharinum L.

18 Polygonum

abundant

small tufts

(*P. obliquum* ~~is~~ is
found in same general area)
mass coll. from same colony
as Fassett mass coll. made
in August. The more leafy
plants are from more sheltered
places. Some variation in flower
color but not much, most
are quite crimson.

~~considerable~~ Mass coll. to
show variation in flower
color - considerable variation
from crimson to pale pink
but most plants crimson.
flowers deep crimson

herbaceous vine

Tree 12 m. tall, 2 dm. thick, stems green,
seedlings 2 m. tall, stems green
tree 20 m. tall, 5 dm. thick, leaves white beneath
twining on bushes

19 200

1945 - Virginia

Oct. 18. Sleepy Hollow, 1 mi. s. of Falls Church.

- # 24219 *Berberis thunbergii*
shaded in wooded bottom-land
20 *Acer rubrum* L.
24 second growth woods on bottom-land
in and around edges of woods

Oct. 19 - Arlington (Lyon Park),
Arlington Co. Va.

- weed in garden, somewhat shaded
21 *Polygonum scandens* L.

Oct. 21 just n.w. of Woodville
Mass.

- 22 *Acer rubrum* L.
mixed woods on top of low
rounded rocky hill
of 58 - 17 are red or reddish
41 are yellow with
red petiole
(1 bush yellow with a few red lvs.)

Fairfax Co.

201

spindly bush 1 m. tall; fruit orange-red.

shrubs and small trees 1-5 m. tall
mass coll. of one leaf from each
of 109 plants, not selected
except for well developed autumn
coloring and undamaged outline.
These sorted into those with ^{only} red
red color (6), those with red petiole
and yellow blade (65), those with
reddish petiole and yellow blade
with one reddish patch (3) and
those with reddish petiole + blade (35)
Herbarium specimen still green.
Shaded plants all have blades
yellow, those in sun either
yellow or reddish. Blades on
3 trees that were transplanted 4 years
ago from shade to sun were yellow.
No extensive variation in a single plant
as far as color is concerned.

herbaceous twining vine, climbing
into small trees, fruiting calyx pale green.

mostly bushes and young
trees, some larger, somewhat
shaded. Mass coll. to show
variation of autumn coloration -
one leaf from a plant, selected
only to show good coloration and
complete outline.

1945 - Massachusetts

7. 202

Oct. 21 3 mi. s. of Westboro

24223 *Acer rubrum* L.

swampy edge of
meadow at lower
edge of patch of woods

seedlings and
small bushes

mass. coll.
as in 24222

6 yellow
with red
petioles

32 red

24224 *Acer rubrum* L.

upper edge of same
woods as 24223 along
dry semi-shaded
roadside

small
bushes
and sprouts

7 yellow with
red petioles

15 yellow
tinged with
red

12 red or
orange.

